Criteria 2: Teaching, Learning and Evaluation

2.5.1 CA1, CA2, MSE sample question paper, result analysis, marks sheet (filled DBATU portal), sample answer sheet/ summary of online examination, snap of students portal showing internal marks

INDEX

	DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.
	Sanjeevan Engineering & Technology Institute, Panhala
	Department of Mechanical Engineering
	CA-I
SEMESTER: III	ACADEMIC YEAR:2021-22
NAME Of STUDENT:	ROLL No.:
CLASS: S.Y. B.Tech	MARKS: 10
DAY & DATE : Monday, 06/12/2021	
SUBJECT: Fluid Mechanics (BTMEC303)	

INSTRUCTIONS:

1. All questions are compulsory.
2. Q. No. 1 to 6 are objective (1marks each) and Q. No. 7 & 8 are descriptive (2 marks each)
3. Circle on the correct answer for objective questions. Multiple circles or ticks are not allowed and considered as zero marks.

Q. No.	Questions	Examiner Marks
1.	**The specific gravity of a liquid has** (a) the same unit as that of mass density (b) the same unit as that of weight density (c) the same unit as that of specific volume (d) no unit .	
2.	**Which one of the following is the CGS unit of dynamic viscosity?** (a) Stokes (b) Pa-s (c) m^2/s (d) Poise	
3.	**The specific volume of a liquid is the reciprocal of** (a) weight density (b) mass density (c) specific weight (d) specific volume	
4.	**If a person studies about a fluid which is at rest, what will you call his domain of study?** (a) Fluid Mechanics (b) Fluid Statics (c) Fluid Kinematics (d) Fluid Dynamics	
5.	**The value of the surface tension of an ideal fluid is** (a) zero (b) unity (c) infinity (d) more than that of a real fluid	
6.	**In liquids in order to measure the viscosity of fluid experimentally we consider the variation of shear stress with respect to what property?** (a) strain (b) shear strain (c) rate of shear strain (d) none of the mentioned	

7.	Define the terms : (i) Weight Density (ii) Bulk modulus.	
8.	Define Viscosity and write its SI and CGS unit.	

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	CA-I	
	SEMESTER:V	ACADEMIC YEAR:2021-22
	NAME Of STUDENT:	ROLL NO.:
	CLASS: T.Y. Mechanical	MARKS: 10
	DAY & DATE : Tuesday, 21/10/2021	
	SUBJECT: Metrology & Quality Control (BTMEC505)	

INSTRUCTIONS:

1. All questions are compulsory.
2. Q.No. 1 to Q. No. 6 are objective (1marks each) and Q.No. 7 &Q.No. 8 are descriptive (2 marks each)
3. Circle on the correct answer for objective questions. Multiple circles or ticks are not allowed and considered as zero mark.

Q. No.	Questions	Examiner Marks
1.	Which of the following is the most suitable for wavelength standard? a) Cadmium 114 b) Krypton 86 c) Mercury 198 d) Any monochromatic light	
2.	By which material metre (line standard) bar is made of? a) Bronze b) Platinum c) Platinum-bronze alloy d) Platinum-iridium alloy	
3.	From which category 'Solex Pneumatic Comparator' belongs? a) Optical comparator b) Mechanical comparator c) Mechanical-optical comparator d) Pneumatic comparator	
4.	Error of measurement = a) True value – Measured value b) Precision – True value c) Measured value – Precision d) None of the above	
5.	Which of the following is incorrect regarding sine bars? a) Sine bar is itself a complete measuring instrument b) Some holes are drilled in the body c) It can be used to locate any work to a given angle d) None of the above	
6.	The following is not used to measure angles a) Bevel protectors b) Sine Bar c) Clinometers d) Optical flats	

Q. No.	Questions	Examiner Marks
7.	Que: Define Comparator & State uses of comparator in inspection	
8.	Que: On which principal sine bar works? Write the formula along with diagram to measure the angle with the help of sine bar.	

********** END **********

	DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.
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	CA-I

SEMESTER: VII	**ACADEMIC YEAR:** 2021-22
NAME Of STUDENT:	**ROLL No.:**
CLASS: Final Year B Tech	**MARKS:** 10
DAY & DATE : Thursdayday, 21/10/2021	
SUBJECT: Wind Energy	

INSTRUCTIONS:

1. All questions are compulsory.
2. Q.No. 1 to Q. No. 6 are objective (1marks each) and Q.No. 7 &Q.No. 8 are descriptive (2 marks each)
3. Circle on the correct answer for objective questions. Multiple circles or ticks are not allowed and considered as zero mark.

Q. No.	Questions	Examiner Marks
1.	**Wind energy is..... types energy** A. Renewable energy B. Non renewable energy C. Can't say	
2.	**What is main source for generation of wind ?** A. Sun B. Uneven land C. Rain D. Season	
3.	**Wind turbine blads have ..... Types cross section for to extract energy from wind.** A. Elliptical B. Rectangular C. Aerofoil D. All of these	
4.	**The Nacelle of windmill houses** A. Generator B. Gear box C. Brakes D. All of these	
5.	**Wind speed is measure by using ..... Instrument** A. Manometer B. Pyranometer C. Anemometer D. Orifice	
6.	**Wind intensity can be described by.....** A. Mach number B. Froude number C. Reynolds number D. Beaufort number	

Q. No.	Questions	Examiner Marks
7.	What is wind energy and its types? Ans:	
8.	Give some important factor consider for side selection of WECS Ans:	

********** END **********

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – Jan.2022

Course: S.Y. B. Tech in Mechanical Engineering **Sem: III**

Subject Name: Thermodnamics **Subject Code: BTMEC305**

Max Marks: 20 **Date:- 10/01/2022** **Time: 12 PM to 01 PM**

Instructions to the Students:

1. **All questions are compulsory**
2. **Assume suitable data if necessary**
3. **Use of non-programmable calculator is allowed**

		Marks
Q. 1	**Attempt following Questions**	6
	1. A control volume refers to (*a*) a fixed region in space (*b*) a specified mass (*c*) an isolated system (*d*) a reversible process only	
	2. A reversible process requires that (*a*) there be no heat transfer (*b*) newton's law of viscosity be satisfied (*c*) temperature of system and surroundings be equal (*d*) there be no viscous or coloumb friction in the system	
	3. The first law of thermodynamics for steady flow (*a*) accounts for all energy entering and leaving a control volume (*b*) is an energy balance for a specified mass of fluid (*c*) is an expression of the conservation of linear momentum (*d*) is primarily concerned with heat transfer	
	4. In a Carnot engine, when the working substance gives heat to the sink (*a*) the temperature of the sink increases (*b*) the temperature of the sink remains the same (*c*) the temperature of the source decreases (*d*) the temperatures of both the sink and the source decrease	
	5. The efficiency of an ideal Carnot engine depends on (*a*) working substance (*b*) on the temperature of the source only (*c*) the temperature of the sink only (*d*) the temperatures of both the source and the sink	
	6. Which of the following is the *correct* statement? (*a*) All the reversible engines have the same efficiency (*b*) All the reversible and irreversible engines have the same efficiency (*c*) Irreversible engines have maximum efficiency (*d*) All engines are designed as reversible in order to obtain maximum efficiency.	
Q.2	**Solve the following**	3 x 2
(A)	What do you mean by "Perpetual motion machine of first kind-PMM 1 and Perpetual motion machine of second kind-PMM2?	
(B)	Define heat engine, refrigerator and heat pump.	
Q. 3	A reversible heat engine operates between two reservoirs at temperatures of 600°C and 40°C. The engine drives a reversible refrigerator which operates between reservoirs at temperatures of 40°C and -20°C. The heat transfer to the heat engine is 2000kJ and the net work output of the combined engine transfer plant is 360kJ. (a) Evaluate the heat transfer to the refrigerant and the net heat transfer to the reservoir at 40 °C. (b) Reconsider (a) given that the efficiency of the heat engine and the COP of the refrigerator are each 40% of their maximum possible values.	8

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	MSE	
	SEMESTER:III	ACADEMIC YEAR:2021-22
	NAME OF STUDENT:	ROLL NO.:
	CLASS:S.E.	MARKS:20
	DAY & DATE : Saturday, 08/01/2022	TIME:9.30am To 10.00 am
	SUBJECT: Fluid Mechanics	

INSTRUCTIONS:

1) All questions are compulsory.
2) Q.1 to Q.6 multiple choice question 1 mark each.
3) Q7 and Q8 descriptive 3 marks each
4) Q9. 8 marks

Q. No.	Question	Marks
Q. 1.	Which of the following is NOT a type of force considered in the Navier-Stokes equation? a) Gravity force b) Pressure force c) Surface tension force d) Viscous force	1
Q. 2.	For incompressible fluid flow, if area reduces then what is the effect on the velocity. a) increases b) decreases c) first increases then decreases d) first decreases then increases	1
Q. 3.	Which of the following is not a way of classifying based on the shape of opening? a) Rectangular notch b) Circular notch c) Trapezoidal notch d) Stepped notch	1
Q. 4.	The head of water over a rectangular notch is 700 mm. The discharge is 200 litres/s. Find the length of the notch, when CD =0.63 a) 0 .125 m b) 0 .265 m c) 0.250 m d) 0.200 m	1

Q. 5.	Which of the following instruments is used to measure flow on the application of Bernoulli's equation a) Venturimeter b) Orifice plate c) Pitot tube d) all of the above	1
Q. 6.	The Pitot tube is used for measurement of a) Pressure b) Flow c) Velocity d) Discharge	1

Q. No.7. List out assumptions of Bernoulli's Equation. 3

Q. No.8. Define Velocity potential function and Stream function. 3

Q. No.9. Derive three dimensional continuity equation in cartesian coordinate. 8

OR

Derive expression for Euler's equation of motion.

********** END **********

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – Dec-2021

Course: B. Tech in Mechanical Engineering **Sem: V**

Subject Name: Heat Transfer **Subject Code: BTMEC 501**

Max Marks: 20 **Date:- 13.12.2021** **Duration:- 1 Hr.**

Instructions to the Students:

1. **All questions are compulsory**
2. **Assume suitable data if necessary**
3. **Use of non-programmable calculator is allowed**

Marks

Q. 1 Attempt following Questions **6**

1. What is the correct formula for The Biot number?

A) hl/k B) k/hl C) l/hk D) hk/l

2. Which dimensionless number has a significant role in forced convection?

A) Grashof number B) Peclet number C) Mach number D) Reynolds number

3. The ratio of product of buoyant force and inertia force to the square of the viscous force is known as

A) Stanton number B) Grashof number C) Fourier number D) Peclet number

4. The concept of the hydrodynamic boundary layer was first suggested by

A) Isaac Newton B) Ludwig Prandtl C) Rodridge D) Fourier

5. The concept of overall coefficient of heat transfer is used in heat transfer problems of,

A) Conduction B) Convection C) Radiation D) Conduction and convection

6. The heat transfer takes place according to,

A) Zeroth law of thermodynamics B) First law of thermodynamics

C) Second law of thermodynamics D) Kirchhoff's law

Q.2 Solve Any Two of the following **3 x 2**

(A) Write general heat conduction equations in Cartesian, cylindrical and spherical coordinates.

(B) Define critical radius of insulation. Derive the equation for critical radius of insulation for hollow cylinder.

(C) Explain lumped heat capacity analysis.

Q. 3 Solve Any One of the following **8 x 1**

(A) Derive the general heat conduction equations in Cartesian coordinate system. Also write special cases of this equation.

(B) A steam pipe is covered with two layers of insulation first layer being 3cm thick and other 5cm. The pipe is made of steel (k= 58 W/mK) having ID 160 mm and OD 170 mm. The inside and outside heat transfer coefficients are 30 and 5.8 W/m^2K, respectively. Calculate heat flow per unit length if steam temperature is 300^0C and air temperature is 50^0C. Thermal conductivities of insulating layers are 0.17 and 0.093 W/mK respectively.

	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE **Mid Semester Examination – December 2021** **Course: Third Year B. Techin Mechanical Engineering** **Sem: V** **Subject Name: Applied Thermodynamics-I** **Max Marks: 20** **Date:-13/12/2021Duration:- 1 Hr.**	
	Instructions to the Students: **1. All questions are compulsory** **2. Assume suitable data if necessary** **3. Use of non-programmable calculator is allowed**	
		Marks
Q. 1	**Attempt following Questions**	**6**
	1.Efficiency of rankine cycle related to lower condenser pressure A)Decreases B) Increases C) remains same D) none of above	
	2. Which of following is the boiler mounting. A)fusible plug B)economizer C) air preheater D)Superheater	
	3. which of the following are operating variable of rankine efficiency A) boiler preesure B) boiler mountings C) condenser pressure D) boiler accessories	
	4. Which type of nozzle is used for steam turbines A)Convergent B) Divergent C) Convergent-Divergent D) None of above	
	5. which of following is water tube boiler A) lancheshire B) cocharan C) benson boiler D) babcock willox	
	6.Mollier chart also known as A) enthalpy volume diagram B) entropy pressure diagram C) enthalpy entropy diagram D) none of above	
Q.2	**Solve Any Two of the following**	**3 x 2**
(A)	Classify the steam boilers	
(B)	Briefly explain the water tube and fire tube boiler differences	
(C)	Explain the variables affecting efficiency of rankine cycle	
Q. 3	**Solve Any One of the following**	**8 x 1**
(A)	explain rankine cycle on PV, TS and HS planes for its efficiency	
(B)	A dry saturated steam at 28 bar is supplied to turbine and exit pressure is 0.8 bar Calculate rankine efficiency by neglecting pump work.	

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	Department of Mechanical Engineering
	MSE
	SEMESTER:VII — ACADEMIC YEAR: 2021-22
	NAME Of STUDENT: — ROLL No.:
	CLASS: Final year B.Tech — MARKS: 20
	DAY & DATE : Monday, 13/12/2021, 10.45 – 11.45
	SUBJECT: Mechatronics (BTMEC701)

1) Strictly For MCQ write correct option in the answer sheet (1 Marks each question).

Q. No.	Questions
1	**A) Direction Control valve is used for** a) Directing the fluid to different sections b) Controlling the directions of the fluid c) Controlling the system d) None of the above
	B) To restrict the flow in particular direction which one is used a) Direction control valve b) Non return valve c) Plug valve d) Diaphragm valve
	C) Infrared sensor is used for a) Object detection b) Temperature detection c) Pressure detection d) Flow detection
	D) The output of the sensor is always a) Analog b) Digital c) Both A and B d) None of the above
	E) The main function of the amplifier is a) To amplify the input b) To amplify the output c) Control the input d) Control the output
	F) To store the measured data which one is preferred a) Data acquisition system b) Data logger system c) Hard Disc d) RAM

Q 2) Attempt any two (2*3 = 6 Marks)

1) Explain data logger and data acquisition system in brief.
2) Explain types of electronic signals with neat sketch.
3) Explain seven segment display with neat sketch

Q3. Attempt any one (1*8 = 8 Marks)

1) Explain operational amplifier with its classification.
2) Explain meter in and meter out circuit with neat sketch.

	DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.
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	Department of Mechanical Engineering
	CA II

SEMESTER:III	**ACADEMIC YEAR:2021-22**
NAME OF STUDENT:	**ROLL NO.:**
CLASS:S.E.	**MARKS:10**
DAY & DATE : Monday, 07/02/2022	**TIME:**9.30am To 10.00 am
SUBJECT: Fluid Mechanics	

INSTRUCTIONS:

1) All questions are compulsory.
2) Q.1 to Q.10 multiple choice question 1 mark each.
3) Tick mark the correct answer. multiple tick mark considered as zero marks.

Q. No.	Question	Marks
Q. 1.	Which among the following is an assumption of Hagen-Poiseuille equation? a) Fluid is compressible b) Fluid is uniform c) Fluid is laminar d) Fluid is turbulent	**1**
Q. 2.	The main property that affects a boundary layer is_____ a) Temperature b) Pressure c) Viscosity d) Surface tension	**1**
Q. 3.	The flow separation occurs when the fluid travels away from the _____ a) Surface b) Fluid body c) Adverse pressure gradient d) Inter-molecular spaces	**1**
Q. 4.	How does a turbulent boundary layer produce swirls? a) Due to random motion b) Collision of molecules c) Due to non-uniform cross section d) Due to eddies	**1**
Q. 5.	With the decrease in the viscosity, Reynolds number _____ a) Increases b) Decreases c) Same d) Independent	**1**
Q. 6.	Ratio of inertia force to viscous force is known as a) Grashof number b) Reynolds number c) Peclet number d) Stanton number	**1**

Q. 7.	There will be a transition from laminar flow to turbulent flow when_____ a) Reynolds number increases b) Reynolds number decreases c) Reynolds number is the same d) Froude's number increases	1
Q. 8.	The friction factor in fluid flowing through pipe depends upon a) Reynold's number b) relative roughness of pipe surface c) both a. and b. d) none of the above	1
Q. 9.	The head loss through fluid flowing pipe due to friction is a) the minor loss b) the major loss c) both a. and b. d) none of the above	1
Q. 10.	What is the ratio of maximum velocity to average velocity, when the fluid is passing through the pipe and flow is laminar? a)3 b) 2 c) 3 /2 d) 2/3	1

**********END**********

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DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.

Sanjeevan Engineering & Technology Institute, Panhala

Department of Mechanical Engineering

CA-II

SEMESTER: III		ACADEMIC YEAR:**2021-22**
NAME Of STUDENT:		ROLL No.:
CLASS: S.Y. B.Tech		MARKS: 10
DAY & DATE : Monday, 07/12/2021		
SUBJECT: Machine Drawing & CAD		

INSTRUCTIONS:

1. All questions are compulsory.
2. Circle on the correct answer for objective questions. Multiple circles or ticks are not allowed and considered as zero marks.
3. Que. 1 to 6 1 mark each, Que.7 having 4 marks.

Q. No.	Questions	Examiner Marks
1.	**When the interior of an object is complicated, which of the following view is used?** (a) Front view (b) Side View (c) Top view (d) Sectional view	
2.	**When the cutting plane cuts the entire object the section is known as _____** a) Full section b) Half section c) Revolved section d) Removed section	
3.	**The section in which the sectional views are not drawn there itself, but at a place adjacent to it is known as _____** a) removed section b) broken out section c) auxiliary section d) assembly section	
4.	**Crane hook is to drawn by _____method.** a) full section b) half section c) removed section d) revolved section	
5.	**The relation between mating parts is called _____** a) Connection b) Fits c) Joints d) Link	
6.	**The difference between the maximum and minimum permissible limits of the sizes is called _____** a) Deviation b) Allowance c) Tolerance d) Actual deviation	
7.	**Draw the conventional symbols of following** **a)** Glass b) Bearings C) Internal screw threads d) Cylindrical compression spring	

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	Sanjeevan Engineering & Technology Institute, Panhala	
	Department of Mechanical Engineering	
	CA-I	
	SEMESTER: IV	ACADEMIC YEAR:2021-22
	NAME OF STUDENT:	ROLL NO.:
	CLASS: S.Y.	MARKS: 10
	DAY & DATE : Wednesday, 18/05/2021	Time: 10.00 am to 10.30am
	SUBJECT: Numerical Methods in Mechanical Engineering (BTMEC404)	

INSTRUCTIONS:

Q.1 to Q.6 multiple choice question 1 marks each
Que 7. and Que8 Descriptive 2 marks each

Q. No.	Question	Marks
Q. 1.	Numerical techniques more commonly involve _____	
	a) Elimination method b) Reduction method c) Iterative method d) Direct method	
Q. 2.	Errors may occur in performing numerical computation on the computer due to which of the following reasons?	
Ans.	a) Operator fatigue b) Back substitution c) Rounding errors d) Power fluctuation	
3.	What is no. of significant figure in 433.00	
Ans.	a) 2 b) 3 c) 5 d) 4	
4.	No. of significant figure in 42306, 0.0007 and 6.5 X 10 -3 are respectively	
Ans.	a) 4,4,2 b) 5,5,2 c) 5,1,2 d) 5,1,5	

Q. 5.	The Newton Raphson method is also called as _____	
Ans.	a) Diameter method b) Secant method c) Tangent method d) Chord method	
6.	The points where the Newton Raphson method fails are called?	
Ans.	a) floating b) continuous c) stationary d) non-stationary	

Q. No.	Question	Marks
7.	Que. What are the Rules for significant figures: Ans:	
8.	Que. Define Precision and Accuracy? Ans:	

********** END **********

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	Sanjeevan Engineering & Technology Institute, Panhala
	Department of Mechanical Engineering
	CA-I
	SEMESTER:IV — **ACADEMIC YEAR:2021-22**
	NAME Of STUDENT: — **ROLL No.:**
	CLASS: Second Year — **MARKS:** 10
	DAY & DATE : Tuesday, 17/05/2022, 2:30 pm to 3:00 pm
	SUBJECT: Strength of Materials (BTMEC403)

1) **Q. 1 carries 6 marks (1x6) Q.2 carries 4 marks (2x2)**
2) **For MCQ write correct option (Like – a, b, c, or d in the answer column).**

Q. No	Questions	Answer (Option)
1	**i) The slope of the stress-strain curve in the elastic deformation region is _____** a) Elastic modulus b) Plastic modulus c) Poisson's ratio d) None of the mentioned	
	ii) Where in the stress-strain curve, the hooke's law is valid? a) Strain hardening region b) Elastic range c) Necking region d) Valid everywhere	
	iii) What is the limiting value of Poisson's ratio? a) -1 and 0.5 b) -1 and -0.5 c) 0 and 0.5 d) -1 and -0.5	
	iv) Bulk modulus is applicable for _____ a)Solids b) Liquids c)Gases d) All of the above	
	v) What is the expression for modulus of rigidity in terms of modulus of elasticity and the Poissons ratio? a) $G = E / 2(1 + \mu)$ b) $G = 5E / (1 + \mu)$ c) $G = 3E / 2(1 + \mu)$ d) $G = E/ (1 + 2\mu)$	
	vi) How the total strain in any body subjected to different loads at different sections can be calculated? a) The resultant strain calculated by the trigonometry b) The resultant strain is the algebraic sum of the individual strain c) The resultant will be through Lame's theorem d) None of the mentioned	

i) Write short notes on Thermal Stresses

2 ii) Write short notes on Composite bar

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – MAY 2022

Course: T.Y. B Tech in Mechanical Engineering **Sem: VI**

Subject Name: ATD-II **Subject Code: BTMEC603**

Max Marks: 20 **Date:-17/05/2022 Duration:- 1 Hr.**

Instructions to the Students:

1. **All questions are compulsory**
2. **Assume suitable data if necessary**
3. **Use of non-programmable calculator is allowed**

		CO	PO	Marks
Q. 1	**Attempt following Questions**	**CO**	**PO**	**6**
	1. The bank of tubes at the back of domestic refrigerator is A) condenser tubes B) evaporator tubes C) capillary tubes D) all of above	3	1	
	2. The pressure at the inlet of a refrigerant compressor is called A) discharge pressure B) suction pressure C) critical pressure D) back pressure	3	1	
	3. The coefficient of performance of heat pump is always one A) equal to B) less than C) greater than D) none of these	4	2	
	4. An Evaporator is also known as A) Freezing coil B) cooling coil C) chilling coil D) All of these	3	1	
	5. During a refrigeration cycle, heat is rejected by the refrigerant in a A) compressor B) condenser C) evaporator D) expansion valve	3	1	
	6. An important characteristic of absorption system of refrigeration is A) noisy operation B) quiet operation C) more cooling D) very little power consumption	4	1	
Q.2	**Solve Any Two of the following**			**3 x 2**
(A)	Methods of Refrigeration	3	1	
(B)	What is the major component of vapour compression system?	3	1	
(C)	Effect of operating variables on performance of vapour compression system	4	2	
Q. 3	**Solve Any One of the following**			**8 x 1**
(A)	Applications of Refrigeration	3	1	
(B)	Explain Multi-pressure System	4	1	

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	Department of Mechanical Engineering
	MSE
	SEMESTER:VI — **ACADEMIC YEAR:2021-22**
	NAME Of STUDENT: — **ROLL No.:**
	CLASS: Third Year — **MARKS:** 20
	DAY & DATE : Tuesday, 17/05/2022, 12 am to 1 pm
	SUBJECT: Machine design II (BTMEC602)

1) For MCQ write correct option (Like – a, b, c, or d in the answer Sheet).

Q. No	Questions	CO	PO
1	1) Teeth of spur gear are a) Parallel to axis b) Inclined to axis 2) Teeth of helical gear are a) Inclined to axis b) Inclined to axis 3) In higher speed application which of the following gear is used a) Spur Gear b) Helical C) Bevel d) Parallel to axis 4) In sliding mesh gear box which of the following gear is used a) Bevel Gear b) Spur Gear C) Helical gear d) Worm wheel 5) In 20° full depth involute teeth profile minimum number of teeth on the pinion should be a) 20 b) 40 C)18 d) 30 6) For transmitting power in right angle direction which of the following gear is used a) Spur Gear b) Helical C)Bevel d) Worm wheel	1	1
2	**Attempt any 2 question (Total 8 Marks).** A) In a particular type of the application, the radial load on the a ball bearing is 5 kN and expected life of the 90% of the bearings is 8000 hr. Calculate dynamic load carrying capacity of the bearing, when the shaft rotates at 1450 rpm. B) Explain different types of gears in brief. C) Explain methods for the bearing lubrication.	3	2
3	**Attempt any 1 question (Total 6 Marks).** A) A pair of spur gear with 20° full depth involute teeth consists of 20 teeth pinion meshing with a 41 teeth gear. The module and face width of the gears are 3 and 40 mm; respectively. Pinion as well as gear is made of same material (S_{ut} = 600 N/mm^2). The gears are heat treated to 400 BHN. The pinion rotate at 1450 rpm and the service factor for the application is 1.75. Assume that velocity factor to account for the dynamic load and the f.S is 1.5 determine rated power that the gear can transmit. B) A pair of parallel helical gear consists of 20 teeth pinion with 100 teeth gear. The pinion rotates at 720 rpm. The normal pressure angle is 20°, while the helix angle is 25°. The face width is 40 mm and the normal module is 4 mm. The pinion and gear are made up of steel 40C8 (S_{ut} = 600 N/mm^2) and heat treated to surface hardness of 300 BHN. The CS and FS are 1.5 and 2 respectively. Assume that velocity factor to account for dynamic load and calculate power transmitting capacity of the gears.	3	2

Y values are 20 = 0.32, 26 = 0.344, 27 = 0.348, for helical gear at Z'p =26.87 Y = 0.3475.

	DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.
	Sanjeevan Engineering & Technology Institute, Panhala
	Department of Mechanical Engineering
	Mid Semester Examination
	SEMESTER: VIII **ACADEMIC YEAR:** 2021-22
	NAME OF STUDENT: **ROLL NO.:**
	CLASS: B. Tech. Final Year **MARKS:20**
	DAY & DATE : Monday, 17/05/2022 12.00pm – 1.00 pm.
	SUBJECT: Non-conventional Energy Resources (BTMEC801F)

INSTRUCTIONS:

1. All questions are compulsory.

Q. No.	Question	Marks	CO	PO
Q.1.	Select and Write the appropriate option			
1.	Which of the following statements is not true about Renewable Energy? a) They do not cause pollution b) Their transportation is difficult c) They cause ecological imbalance d) They have a low gestation period	**1**	**1**	**1**
2.	Which of the following has caused global warming? a) Burning of biomass b) Burning of fossil fuels c) Releasing CFCs into the atmosphere d) Melting metals	**1**	**1**	**1**
3.	What does ozone protect the earth from? a) Sound waves b) Harmful UV radiation c) Visible radiation d) Greenhouse effect	**1**	**1**	**1**
4.	What is a solar collector? a) A system to collect heat by absorbing sunlight b) A system to collect rainwater using sunlight c) A system to collect electricity by using sunlight d) A device to reflect sunlight back	**1**	**1**	**1**
5.	Which of the following is a circulating fluid in evacuated flat-plate solar collectors? a) Water b) Steam c) Nitrogen d) Hydrogen	**1**	**1**	**1**
6.	Which of the following is not used in a passive solar heating/cooling system? a) Building walls b) Building roofs c) Air conditioners d) Building floors	**1**	**1**	**1**
Q.2	Calculate energy received by Earth from the Sun	**3**	**2**	**2**
Q.3	Explain with neat Diagram Flat plate collector and Concentric plate collector	**3**	**2**	**1**
Q.4	Express how the incoming solar energy is distributed across the earth with neat diagram	**8**	**3**	**7**

********** END **********

	DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.	
	Sanjeevan Engineering & Technology Institute, Panhala	
	Department of Mechanical Engineering	
	CA-II	
	SEMESTER: VI	**ACADEMIC YEAR:** 2021-22
	NAME Of STUDENT:	**ROLL NO.:**
	CLASS: T.Y. Mechanical	**MARKS:** 10
	DAY & DATE : Tuesday, 21/06/2022	
	SUBJECT: Manufacturing Processes – II (BTMEC601)	

INSTRUCTIONS:

1. All questions are compulsory.
2. Q. No.1 to Q. No.6 are objective type questions (1 Marks each) and Q. No.7 & Q. No.8 are descriptive type questions carrying 2 Marks each.

Q. No.	Questions	Examiner Marks
1.	Which forming method is used for the production of hollow glasses? a) Blowing b) Pressing c) Drawing d) Casting	
2.	Which method of forming cannot be used to produce sheet glass? a) Casting b) Rolling c) Drawing d) Floating	
3.	What does the term 'green' refer to for drying and firing operations? a) Fired but not dried b) Dried but not fired c) Dried then fired d) Fired then dried	
4.	Which of the following is not a process involved in glass production? a) Forming and shaping b) Extrusion c) Heat treatment d) Finishing	
5.	Which of the following is a property of ceramics? a) Low strength b) Low melting point c) Resistant to corrosion d) Bad insulation	
6	Which of the following is not a step in making ceramics? a) Powder pressing b) Sintering c) Alloying d) Vitrification	

Q. No	Questions	Examiner Marks
7.	Que: Differentiate between thermosetting plastics & thermoplastics 02 Marks	
8.	Que: What are monomers and polymers? Give suitable examples 02 Marks	

********** END **********

	DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.	
	Sanjeevan Engineering & Technology Institute, Panhala	
	Department of Mechanical Engineering	
	CA-2	
	SEMESTER:VI	ACADEMIC YEAR:2021-22
	NAME Of STUDENT:	ROLL No.:
	CLASS:T.Y. B. Tech.	MARKS: 10
	DAY & DATE : Tuesday, 21/06/2022	
	SUBJECT:IC Engines (BTMEC604B)	

INSTRUCTIONS:

1. All questions are compulsory.
2. Circle on the correct answer for objective questions. Multiple circles or ticks are not allowed and considered as zero mark.

Q. No.	Questions
1.	**During idling, a petrol engine requires _____ mixture.** a) lean b) rich c) chemically correct d) none of the mentioned
2.	**What is the requirement met by the injection system?** a) Proper atomization of fuel into very fine droplets b) Proper spray pattern to ensure rapid mixing of fuel and air c) Uniform distribution of fuel droplets throughout the combustion chamber d) All of the mentioned
3.	**A spark can be caused by applying a sufficiently low voltage between two electrodes separated by a gap.** a) True b) False
4.	**Wet sump lubrication system employ a large capacity oil sump at the base of crank chamber, from which the oil is drawn by a low pressure oil pump and delivered to various parts.** a) True b) False
5.	**_____ in supercharging pressure increases the tendency to detonate and pre-ignite.** a) Decrease b) Increase c) Unpredictable d) None of the mentioned
6.	**Turbochargers are centrifugal compressors driven by the exhaust gas turbines.** a) True b) False

Q.7. Which are the various alternative fuels for IC Engines?

Answer:

Q. 8. What are the pollutants from SI & CI Engines?

Answer:

********** END **********

	DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.
	Sanjeevan Engineering & Technology Institute, Panhala
	Department of Mechanical Engineering
	CA-II
SEMESTER: VI	ACADEMIC YEAR:**2021-22**
NAME Of STUDENT:	ROLL No.:
CLASS: T.Y. B. Tech	MARKS: 10
DAY & DATE : Tuesday, 21/06/2022	Time:1.30 pm to 2.00 pm
SUBJECT: QTPM	

INSTRUCTIONS:

1. All questions are compulsory.

Q. 1. Consider the assignment problem as shown in below table and solve it using Hungerian method. In this problem 5 different jobs are to be assigned to 5 different operators such that the total processing time is minimized. The matrix entries represent processing times in hours. **(5 marks)**

		Operator				
		1	*2*	*3*	*4*	*5*
Job	*1*	10	12	15	12	8
	2	7	16	14	14	11
	3	13	14	7	9	9
	4	12	10	11	13	10
	5	8	13	15	11	15

Q. 2 The following table shows the network along with duration.
1. Draw the project network. 2. Find the critical path and critical duration. **(5 marks)**

Activity	Immediate Predecessor	Duration
A	--	5
B	--	4
C	A	8
D	B	8
E	B	8
F	B	5
G	C,D	8
H	E,I	22
I	F	2
J	F	12

Dr. Babasaheb Ambedkar Technological University

Title

Student Marks

Exam Season

Winter Semester Examinations 2021

6315 / Sanjeevan Engineering and Technology Institute, Panhala

Course

11612 / 2017 / Bachelor of Technology (Mechanical Engineering)

Subject

BTMC302 / 2021 / Fluid Mechanics

Exported On

2022/08/13 11:10:37

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10		Continuous Assessment 1 Marks / 10		Mid Exam Marks / 20	
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T2063151612002	NIKHIL BHIMRAO KADAM	8		7		18	
T2063151612003	PRADIP SHAMRAO MANE	8		4		16	
T2063151612004	PRANALI BABASAHEB KUMBHAR	9		7		18	
T2063151612005	PRANAV JOTIRAM GUJAR	9		3		16	
T2063151612006	PRATHMESH SUDHIR MANDUM	8		5		16	
T2063151612007	SHUBHAM TUKARAM KHOT	8		6		16	
T2063151612008	SHUBHAM MARUTI SHETE	8		4		16	
T2063151612009	SIDDHESH SUNIL SHINDE	8		6		16	
T2063151612010	SIDDHESH SANTOSH BENDKHALE	8		1		16	
T2163151612501	POWAR SOURAV SHASHIKANT	10		10		6	
T2163151612502	NAIK SHRIDHAR YUVRAJ	7		2		11	
T2163151612503	SHIKHARE PRAMOD GUNDA	5		5		10	
T2163151612504	SHIKHARE NILESH SHIVAJI	5		7		8	
T2163151612505	DHERE SAURABH SATISH	7		9		4	
T2163151612506	DHERE HARSH SATISH	10		9		8	
T2163151612507	DESAI VISHWAJEET VIKAS	8		9		3	
T2163151612508	KADAVEKAR ANIKET RAJENDRA	8		9		5	
T2163151612509	SAWANT SUNIL BHAGAWAN	10		8		3	
T2163151612510	KHOT VIVEK MADHUKAR	10		8		8	

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10		Continuous Assessment 1 Marks / 10		Marks / 20	
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T2163151612512	OMKAR SHASHIKANT JADHAV	7		10		3	
T2163151612513	JADHAV ALIAS MITHARI KAUSTUBH RAJENDRA	8		8		6	
T2163151612514	GARAD NILESH JAYSING	4		6		10	
T2163151612515	PATIL ANISH VASANT	10		7		3	
T2163151612516	SHUBHAM BAJIRAO KAMBLE	10		10		5	
T2163151612517	BAHADURE NITIN AMBADAS	9		9		12	
T2163151612518	POPHALE YASH PRAVIN	6		9		5	
T2163151612519	MANE PAVAN MAHADEV	5		9		6	
T2163151612520	SHINDE SAHIL NITIN	7		10		5	
T2163151612521	SAPALE GAURESH RAJESH	6		8		6	
T2163151612522	KATE RAJVARDHAN KAMALAKAR	8		8		7	
T2163151612523	LOHAR PRATHAMESH MANIK	7		2		11	
T2163151612524	KADAM PRANAV JAGDISH	8		8		9	
T2163151612525	GURAV ROHIT HINDURAO	6		4		10	
T2163151612526	JAGDALE ABHISHEK VIJAY	10		4		12	
T2163151612527	LOHAR DHIRAJ SHIVAJI	5		4		11	
T2163151612528	JADHAV NIRANJAN JAYWANT	9		9		6	
T2163151612529	MHAMULKAR ABHIJIT HINDURAO	6		9		5	
T2163151612530	KHOT SWAPNIL SHASHIKANT	4		6		10	
T2163151612531	NAGARI DIPAK DEVENDRA	7		8		5	
T2163151612532	BHAT SAHIL PUNDLIK	10		10		3	
T2163151612533	BAWALE VISHWESH PRASANNA	3		10		7	
T2163151612534	PATIL NIKHIL DNYANDEV	6		10		4	
T2163151612535	SAWRATKAR VISHAL UTTAM	7		9		4	
T2163151612536	TARALEKAR PRUTHVIRAJ CHANDRAKANT	5		9		6	
T2163151612537	JARAG SIDDESH VIKRAM	4		6		10	
T2163151612538	SHINDE CHAITANYA DILIP	7		8		5	
T2163151612539	KHADE ROHIT VISHWAS	9		9		6	
T2163151612540	SATHAM DIGAMBAR SUNIL	7		10		3	
T2163151612541	PADALKAR ANIKET ASHOK	7		4		9	

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10		Continuous Assessment 1 Marks / 10		Mid Exam Marks / 20	
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T2163151612542	GHATAGE SARADAR KRUSHNAT	6		4		10	
T2163151612543	BAGADI DHAIRYASHIL HINDURAO	4		10		6	
T2163151612544	PATIL SUSHANT SANJAY	4		10		6	
T2163151612545	WAIKAR RAHIL ANIS	4		6		10	
T2163151612546	PATIL SHUBHAM RAGHUNATH	5		5		10	
T2163151612547	NAGARJI ADIL KASAM	6		10		4	
T2163151612548	SAVARE AKANSHA AKARAM	10		7		18	
T2163151612549	KONDE SAMRUDDHI BABASAHEB	10		10		20	
T2163151612550	WANGIKAR RUTUJA AAPPASO	5		7		8	
T2163151612551	KUMBHAR ABHIJEET VILAS	9		8		5	
T2163151612552	CHOUGULE SUMIT MANOHAR	9		8		5	
T2163151612553	KHOT RUSHIKESH NAMDEV	4		10		6	
T2163151612554	SASWADE SHRIKANT ARUN	9		1		10	
T2163151612555	POWAR SHUBHAM SANJAY	4		10		6	
T2163151612556	SHIDHARTH SAMBHAJI CHOUGULE	4		7		9	
T2163151612557	JUBER SAMEER MULLA	8		9		6	
T2163151612558	MOHITE VIVEK SHRIKANT	6		9		5	
T2163151612559	SHINDE PRATHAMESH BHAGAVAN	7		5		8	
T2163151612560	SATHE MAHESH SARJERAO	5		7		8	

Subject Teacher

D.V.Patil,

(Name and Signature)

HOD

(Name and Signature)

Principal/Director

(Name and Signature)

Dr. Babasaheb Ambedkar Technological University

Title

Student Marks

Exam Season

Winter Semester Examinations 2021

6315 / Sanjeevan Engineering and Technology Institute, Panhala

Course

11612 / 2017 / Bachelor of Technology (Mechanical Engineering)

Subject

BTMC303 / 2021 / Thermodynamics

Exported On

2022/07/21 12:42:18

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10 Template Upload	Continuous Assessment 1 Marks / 10 Template Upload	Mid Exam Marks / 20 Template Upload	End Exam Marks / 60
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T2063151612002	NIKHIL BHIMRAO KADAM	8	8	18	
T2063151612003	PRADIP SHAMRAO MANE	6	8	16	
T2063151612004	PRANALI BABASAHEB KUMBHAR	8	9	19	
T2063151612005	PRANAV JOTIRAM GUJAR	7	9	16	
T2063151612006	PRATHMESH SUDHIR MANDUM	7	8	16	
T2063151612007	SHUBHAM TUKARAM KHOT	8	8	16	
T2063151612008	SHUBHAM MARUTI SHETE	6	8	16	
T2063151612009	SIDDHESH SUNIL SHINDE	7	8	18	
T2063151612010	SIDDHESH SANTOSH BENDKHALE	5	8	16	
T2163151612501	POWAR SOURAV SHASHIKANT	5	6	15	
T2163151612502	NAIK SHRIDHAR YUVRAJ	6	6	14	
T2163151612503	SHIKHARE PRAMOD GUNDA	6	6	15	
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T2163151612507	DESAI VISHWAJEET VIKAS	6	7	16	

Enrollment Number	Full Name	Assessment 2 Marks / 10	Assessment 1 Marks / 10	Mid Exam Marks / 20	End Exam Marks / 60
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T2163151612509	SAWANT SUNIL BHAGAWAN	6	7	14	
T2163151612510	KHOT VIVEK MADHUKAR	5	6	15	
T2163151612511	ARAB MOHMADSADD ZAKIRHUSEN	5	7	14	
T2163151612512	OMKAR SHASHIKANT JADHAV	6	6	15	
T2163151612513	JADHAV ALIAS MITHARI KAUSTUBH RAJENDRA	6	6	14	
T2163151612514	GARAD NILESH JAYSING	7	9	17	
T2163151612515	PATIL ANISH VASANT	6	7	14	
T2163151612516	SHUBHAM BAJIRAO KAMBLE	5	7	16	
T2163151612517	BAHADURE NITIN AMBADAS	8	8	18	
T2163151612518	POPHALE YASH PRAVIN	5	7	14	
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T2163151612520	SHINDE SAHIL NITIN	5	7	14	
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T2163151612522	KATE RAJVARDHAN KAMALAKAR	6	7	14	
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T2163151612524	KADAM PRANAV JAGDISH	5	6	14	
T2163151612525	GURAV ROHIT HINDURAO	6	6	16	
T2163151612526	JAGDALE ABHISHEK VIJAY	5	7	15	
T2163151612527	LOHAR DHIRAJ SHIVAJI	6	7	14	
T2163151612528	JADHAV NIRANJAN JAYWANT	5	6	15	
T2163151612529	MHAMULKAR ABHIJIT HINDURAO	6	7	15	
T2163151612530	KHOT SWAPNIL SHASHIKANT	6	6	14	
T2163151612531	NAGARI DIPAK DEVENDRA	5	7	15	
T2163151612532	BHAT SAHIL PUNDLIK	5	6	14	

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10	Continuous Assessment 1 Marks / 10	Mid Exam Marks / 20	End Exam Marks / 60
		Template Upload	Template Upload	Template Upload	
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T2163151612534	PATIL NIKHIL DNYANDEV	6	6	14	
T2163151612535	SAWRATKAR VISHAL UTTAM	5	6	16	
T2163151612536	TARALEKAR PRUTHVIRAJ CHANDRAKANT	6	6	15	
T2163151612537	JARAG SIDDESH VIKRAM	5	7	14	
T2163151612538	SHINDE CHAITANYA DILIP	6	7	15	
T2163151612539	KHADE ROHIT VISHWAS	5	6	15	
T2163151612540	SATHAM DIGAMBAR SUNIL	6	7	14	
T2163151612541	PADALKAR ANIKET ASHOK	6	6	15	
T2163151612542	GHATAGE SARADAR KRUSHNAT	5	7	14	
T2163151612543	BAGADI DHAIRYASHIL HINDURAO	5	6	15	
T2163151612544	PATIL SUSHANT SANJAY	6	7	14	
T2163151612545	WAIKAR RAHIL ANIS	6	6	16	
T2163151612546	PATIL SHUBHAM RAGHUNATH	5	6	15	
T2163151612547	NAGARJI ADIL KASAM	6	6	14	
T2163151612548	SAVARE AKANSHA AKARAM	8	9	19	
T2163151612549	KONDE SAMRUDDHI BABASAHEB	8	9	19	
T2163151612550	WANGIKAR RUTUJA AAPPASO	5	6	14	
T2163151612551	KUMBHAR ABHIJEET VILAS	6	7	15	
T2163151612552	CHOUGULE SUMIT MANOHAR	6	6	14	
T2163151612553	KHOT RUSHIKESH NAMDEV	5	7	15	
T2163151612554	SASWADE SHRIKANT ARUN	5	6	14	
T2163151612555	POWAR SHUBHAM SANJAY	6	7	16	
T2163151612556	SHIDHARTH SAMBHAJI CHOUGULE	6	7	15	
T2163151612557	JUBER SAMEER MULLA	5	6	14	
T2163151612558	MOHITE VIVEK SHRIKANT	6	7	15	

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10 Template Upload	Continuous Assessment 1 Marks / 10 Template Upload	Mid Exam Marks / 20 Template Upload	End Exam Marks / 60
T2163151612559	SHINDE PRATHAMESH BHAGAVAN	5	6	14	
T2163151612560	SATHE MAHESH SARJERAO	6	7	15	

Subject Teacher

(Name and Signature)

HOD

(Name and Signature)

Principal/Director

(Name and Signature)

Dr. Babasaheb Ambedkar Technological University

Title

Student Marks

Exam Season

Winter Semester Examinations 2021

6315 / Sanjeevan Engineering and Technology Institute, Panhala

Course

11612 / 2017 / Bachelor of Technology (Mechanical Engineering)

Subject

BTMEC502 / 2021 / Applied Thermodynamics - I

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2022/06/27 11:40:46

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10 Template	Upload	Continuous Assessment 1 Marks / 10 Template	Upload	Mid Exam Marks / 20 Template Upload	End Exam Marks / 60
1963151612009	BHOSALE SONALI SHIVAJI	9		10		20	60
1963151612010	PATIL TEJAS SHAMRAO	10		10		19	60
1963151612026	SHINDE OMKAR SURESH	8		5		14	60
1963151612030	SHINDE KEDAR RAMESH	10		5		11	60
1963151612052	SANKPAL KAMLESH PRAKASH	10		9		20	60
1963151612056	PATIL VAIBHAV UTTAM	10		10		16	60
1963151612065	MUGDAR RAHUL NILESH	10		10		19	59
2063151612019	JADHAV SANKET SANJAY	10		7		11	60
2063151612020	SAWANT RUSHIRAJ RAJENDRA	8		6		18	60
2063151612021	PAWAR OMKAR BHAGAWAN	10		6		18	60
2063151612022	SNEHAL SUNIL KASHID	10		10		12	60
2063151612023	POWAR RAHUL GANAPATI	10		9		20	53
2063151612024	MUJAWAR ASIF SHABBIR	10		8		19	60
2063151612025	JANGAM SANKET ASHOK	9		10		20	60

Enrollment Number	Full Name	Assessment 2 Marks / 10 .		Assessment 1 Marks / 10		Template	End Exam Marks / 60
		Template	Upload	Template	Upload	Upload	
2063151612026	PATIL SOURAV SANJAY	10		8		9	60
2063151612027	PATIL RAHUL MAHADEV	10		7		18	60
2063151612028	PATIL SAURABH PANDIT	10		8		18	60
2063151612029	PATIL DIGVIJAY BALASAHEB	6		6		8	60
2063151612030	PATIL AVADHUT RAGHUNATH	9		8		11	60
2063151612031	MANE SUNIL VISHAVNATH	10		7		9	60
2063151612032	SAKATE AJAY SANJAY	10		8		16	60
2063151612033	BHOSALE SATYAMRAJE PANDITRAO	9		10		20	60
2063151612035	NAIK PRASANNA PRAKASH	8		7		12	60
2063151612037	DALVI SIDDHESH DHANAJI	10		8		12	60
2063151612038	CHAVAN SAIPRASAD MADHUKAR	9		8		12	60
2063151612039	MUJAWAR NAWAJSHARIF MOULA	10		5		11	60
2063151612040	MELAKERI SHRIDHAR BASAPPA	10		5		12	57
2063151612041	PATIL SHUBHAM RAGHUNATH	8		7		18	60
2063151612042	PATIL PRASHANT ISHWARA	9		9		11	60
2063151612043	SHINDE PRANAY BABURAO	9		8		10	60
2063151612044	JADHAV SAGAR MAHIPATI	8		9		12	60
2063151612045	PATIL GAURAV KRISHNAT	10		9		10	60
2063151612046	POWAR SURAJ SANJAY	9		7		17	60
2063151612047	KOINGADE MAHESH DILIP ALIAS DIPAK	10		5		9	39
2063151612048	BOLAVE VINAYAK BALU	10		8		12	60
2063151612049	CHAVAN SUSHANT BAJRANG	10		6		13	60
2063151612050	MUJAWAR ARSHAD KARIMBAKSH	10		9		9	60

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10		Continuous Assessment 1 Marks / 10		Mid Exam Marks / 20	End Exam Marks / 60
		Template	Upload	Template	Upload	Template / Upload	
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2063151612053	GAIKWAD TUSHAR MAHENDRA	9		8		20	60
2063151612054	GOURAV SANJAY PATIL	10		8		9	60
2063151612055	BIDKAR SHUBHAM APPASAHEB	9		5		9	60
2063151612056	MAHADIK ADITYA ATUL	7		10		9	60
2063151612057	SOURABH UDAY THOMBARE	10		10		16	60
2063151612062	DEVANE RAGHVENDRA SADASHIV	10		9		19	60
2063151612063	GAIKWAD NETRA GAJANAN	9		9		12	59

Subject Teacher

S. P. Nangare

(Name and Signature)

HOD

(Name and Signature)

Principal/Director

(Name and Signature)

r. Babasaheb Ambedkar Technological University

Title

Student Marks

Exam Season

Winter Semester Examinations 2021

6315 / Sanjeevan Engineering and Technology Institute, Panhala

Course

11612 / 2017 / Bachelor of Technology (Mechanical Engineering)

Subject

BTMEC503 / 2021 / Machine Design - I

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Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10 Template Upload	Continuous Assessment 1 Marks / 10 Template Upload	Mid Exam Marks / 20 Template Upload	End Exam Marks / 60 Template Upload
1963151612009	BHOSALE SONALI SHIVAJI	9	9	17	60
1963151612010	PATIL TEJAS SHAMRAO	9	8	15	60
1963151612026	SHINDE OMKAR SURESH	10	AB	7	50
1963151612030	SHINDE KEDAR RAMESH	9	AB	8	44
1963151612052	SANKPAL KAMLESH PRAKASH	7	9	4	39
1963151612056	PATIL VAIBHAV UTTAM	4	4	8	48
1963151612065	MUGDAR RAHUL NILESH	7	8	3	54
2063151612019	JADHAV SANKET SANJAY	7	8	3	60
2063151612020	SAWANT RUSHIRAJ RAJENDRA	6	7	4	54
2063151612021	PAWAR OMKAR BHAGAWAN	6	8	3	33
2063151612022	SNEHAL SUNIL KASHID	8	9	AB	60
2063151612023	POWAR RAHUL GANAPATI	10	9	4	54
2063151612024	MUJAWAR ASIF SHABBIR	10	7	9	57

Enrollment Number	Full Name	Assessment 2 Marks / 10	Assessment 1 Marks / 10	Mid Exam Marks / 20	End Exam Marks / 60
		Template Upload	Template Upload	Template Upload	Template Upload
2063151612025	JANGAM SANKET ASHOK	9	9	14	60
2063151612026	PATIL SOURAV SANJAY	9	8	AB	60
2063151612027	PATIL RAHUL MAHADEV	8	7	2	50
2063151612028	PATIL SAURABH PANDIT	6	9	2	48
2063151612029	PATIL DIGVIJAY BALASAHEB	3	5	10	48
2063151612030	PATIL AVADHUT RAGHUNATH	9	4	6	60
2063151612031	MANE SUNIL VISHAVNATH	7	AB	10	50
2063151612032	SAKATE AJAY SANJAY	9	7	4	54
2063151612033	BHOSALE SATYAMRAJE PANDITRAO	9	8	5	60
2063151612035	NAIK PRASANNA PRAKASH	8	6	4	60
2063151612037	DALVI SIDDHESH DHANAJI	7	7	3	53
2063151612038	CHAVAN SAIPRASAD MADHUKAR	8	7	3	60
2063151612039	MUJAWAR NAWAJSHARIF MOULA	8	AB	9	45
2063151612040	MELAKERI SHRIDHAR BASAPPA	7	6	6	47
2063151612041	PATIL SHUBHAM RAGHUNATH	8	5	9	54
2063151612042	PATIL PRASHANT ISHWARA	8	5	9	48
2063151612043	SHINDE PRANAY BABURAO	3	7	7	59
2063151612044	JADHAV SAGAR MAHIPATI	7	6	4	54
2063151612045	PATIL GAURAV KRISHNAT	5	7	5	50
2063151612046	POWAR SURAJ SANJAY	9	6	3	51
2063151612047	KOINGADE MAHESH DILIP ALIAS DIPAK	8	AB	8	42

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10	Continuous Assessment 1 Marks / 10	Mid Exam Marks / 20	End Exam Marks / 60
		Template Upload	Template Upload	Template Upload	Template Upload
2063151612048	BOLAVE VINAYAK BALU	10	7	7	54
2063151612049	CHAVAN SUSHANT BAJRANG	8	7	2	60
2063151612050	MUJAWAR ARSHAD KARIMBAKSH	9	6	3	57
2063151612051	MALI ROHIT RAMRAO	8	5	2	60
2063151612053	GAIKWAD TUSHAR MAHENDRA	7	7	3	53
2063151612054	GOURAV SANJAY PATIL	4	4	8	47
2063151612055	BIDKAR SHUBHAM APPASAHEB	4	5	8	54
2063151612056	MAHADIK ADITYA ATUL	9	5	3	60
2063151612057	SOURABH UDAY THOMBARE	8	6	4	48
2063151612062	DEVANE RAGHVENDRA SADASHIV	6	9	3	50
2063151612063	GAIKWAD NETRA GAJANAN	6	8	3	45

Subject Teacher

R.U. Urunkar

(Name and Signature)

HOD

(Name and Signature)

Principal/Director

(Name and Signature)

	DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.
	Sanjeevan Engineering & Technology Institute, Panhala
	Department of Mechanical Engineering
	CA-I
	SEMESTER: III — ACADEMIC YEAR:2021-22
	NAME OF STUDENT: KADAM NIKHIL BHIMRAO. ROLL No.: 8
	CLASS: S.Y. B.Tech — MARKS: 10
	DAY & DATE : Monday, 06/12/2021
	SUBJECT: Fluid Mechanics (BTMEC303)

07/10

INSTRUCTIONS:

1. All questions are compulsory.
2. Q. No. 1 to 6 are objective (1marks each) and Q. No. 7 & 8 are descriptive (2 marks each)
3. Circle on the correct answer for objective questions. Multiple circles or ticks are not allowed and considered as zero marks.

Q. No.	Questions	Examiner Marks
1.	**The specific gravity of a liquid has** (a) the same unit as that of mass density (b) the same unit as that of weight density (c) the same unit as that of specific volume (d) no unit	1
2.	**Which one of the following is the CGS unit of dynamic viscosity?** (a) Stokes (b) Pa-s (c) m^2/s (d) Poise	1
3.	**The specific volume of a liquid is the reciprocal of** (a) weight density (b) mass density (c) specific weight (d) specific volume	1
4.	**If a person studies about a fluid which is at rest, what will you call his domain of study?** (a) Fluid Mechanics (b) Fluid Statics (c) Fluid Kinematics (d) Fluid Dynamics	1
5.	**The value of the surface tension of an ideal fluid is** (a) zero (b) unity (c) infinity (d) more than that of a real fluid	1
6.	**In liquids in order to measure the viscosity of fluid experimentally we consider the variation of shear stress with respect to what property?** (a) strain (b) shear strain (c) rate of shear strain (d) none of the mentioned	1

7.	**Define the terms : (i) Weight Density (ii) Bulk modulus.**

i) Weight Density :- weight density it is the ratio of weight of fluid to the valume of fluid.

$$w = \frac{\text{weight of fluid}}{\text{valume of fluid.}}$$

ii) Bulk Modulus :- It is the ratio of shear stress to the shear strain is called as Bulk modulus.

Bulk modulus = $\frac{\text{shear stress.}}{\text{shear strain.}}$

8.	**Define Viscosity and write its SI and CGS unit.**

Viscosity :-

viscosity it is the veria. tion of pressure with respect to temprature is called as viscosity.

* CGS unit :-
* SI unit :-

HOLY- WOOD ACADEMY'S

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Sanjeevan Knowledge City, Dist. Kolhapur. Pin.416 201

Name of the Student: Bahadure Aditya Ambadas

Class: DSY Mechanical Roll No.: 13

Subject: Fluid Mechanics Date: 08/02/2022

Language of Answer English

Question No.	1	2	3	4	5	6	7	8	9	10	Total	out of	Examiner's Sign.
Marks obtained											12	20	

Main Answersheet + No. of Supplement = Total
01 + =

Supervisor's Signature

Q 1)

Q 1) → c) Surface tension force

Q 2) → a) Increases.

Q 3) → b) Circular notch.

Q 4) → 0.125m

Q 5) → d) all of the above.

Q 6) → c) Velocity.

06

Q 2) Following are the assumptions made in the derivation of Bernulli's Equation

1) the fluid ideal, Viscosity is zero.
2) the fluid is steady
3) the flow is incompressible
4) the flow is irrotational.
5) the flow along stream line
6) the velocity is uniform over the section
7) only gravity force and pressure forces considered.

03

Q8. * Velocity Potential Function:-

It is defind as a Scalar function of space and time such that its negative derivative with respect to any direction gives any the fluid velocity is that direction is called as velocity potential fuction

- It is denoted by ϕ
- For steady ~~by~~ flow

$\phi = f(x, y, z)$

$u = -\frac{\partial \phi}{dx}$, $v = \frac{d\phi}{dy}$, $w = \frac{d\phi}{dz}$

Stream function.

- it is defind as a Scalar function of space and time such that its partial derivative with respect to any direction gives the velocity Component at right angle is that direction is called as Stream function
- It is denoted by ψ
- only for a two dimensional flow.
- For steady flow.

$\psi = (x, y)$

$\frac{\partial \psi}{\partial x} = v$, $\frac{\partial \psi}{\partial y} = -u$.

03

	DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.
	Sanjeevan Engineering & Technology Institute, Panhala
	Department of Mechanical Engineering
	CA II

SEMESTER:III	**ACADEMIC YEAR:2021-22**
NAME OF STUDENT: KAMBLE.SHUBHAM.B	**ROLL NO.:** 31
CLASS:S.E.	**MARKS:10**
DAY & DATE : Monday, 21/02/2022	**TIME:**9.30am To 10.00 am
SUBJECT: Fluid Mechanics	

10/10

INSTRUCTIONS:

1) All questions are compulsory.
2) Q.1 to Q.10 multiple choice question 1 mark each.
3) Tick mark the correct answer. multiple tick mark considered as zero marks.

Q. No.	Question	Marks
Q. 1.	Which among the following is an assumption of Hagen-Poiseuille equation? a) Fluid is compressible b) Fluid is uniform c) Fluid is laminar d) Fluid is turbulent	1
Q. 2.	The main property that affects a boundary layer is_____ a) Temperature b) Pressure c) Viscosity d) Surface tension	1
Q. 3.	The flow separation occurs when the fluid travels away from the _____ a) Surface b) Fluid body c) Adverse pressure gradient d) Inter-molecular spaces	1
Q. 4.	How does a turbulent boundary layer produce swirls? a) Due to random motion b) Collision of molecules c) Due to non-uniform cross section d) Due to eddies	1
Q. 5.	With the decrease in the viscosity, Reynolds number _____ a) Increases b) Decreases c) Same d) Independent	1
Q. 6.	Ratio of inertia force to viscous force is known as a) Grashof number b) Reynolds number c) Peclet number d) Stanton number	1

Q. 7.	There will be a transition from laminar flow to turbulent flow when_____ a) Reynolds number increases b) Reynolds number decreases c) Reynolds number is the same d) Froude's number increases	1
Q. 8.	The friction factor in fluid flowing through pipe depends upon a) Reynold's number b) relative roughness of pipe surface c) both a. and b. d) none of the above	1
Q. 9.	The head loss through fluid flowing pipe due to friction is a) the minor loss b) the major loss c) both a. and b. d) none of the above	1
Q. 10.	What is the ratio of maximum velocity to average velocity, when the fluid is passing through the pipe and flow is laminar? a)3 b) 2 c) 3 /2 d) 2/3	1

**********END**********

	DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.	
	Sanjeevan Engineering & Technology Institute, Panhala	
	Department of Mechanical Engineering	
	CA-I	
seti SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE	SEMESTER: VI	ACADEMIC YEAR:2021-22
	NAME OF STUDENT: Jangam Sanket A	ROLL No.: 04
	CLASS: T.Y. B. Tech	MARKS: 10
	DAY & DATE : Wednesday, 13/04/2022	Time: 3.00 pm to 3.30 pm
	SUBJECT: QTPM	

10/10

INSTRUCTIONS:

1. All questions are compulsory.
2. Q. No. 1 to 2 are objective (1marks each). Q. No. 3 descriptive (2 marks). Q. No. 4 and 5 are descriptive (3 marks each)
3. Circle on the correct answer for objective questions. Multiple circles or ticks are not allowed and considered as zero marks.

Q. No.	Questions	Examiner Marks
1.	Operation Research approach is .... A. multi-disciplinary B. scientific C. intuitive D. collect essential data	1
2.	A feasible solution to a linear programming problem .... A. must satisfy all the constraints of the problem simultaneously B. need not satisfy all of the constraints, only some of them C. must be a corner point of the feasible region. D. must optimize the value of the objective function	1

Q. 3. What is Operation Research? Write scope of Operation research. **(2 marks)**

Operation Research :-
Operation research is scientific approch to problem solving and desision making based in management. In OR problem are breaking down in componett & then resolved by dined ~~steep~~ steps by using methematics.

02

① Deffence application
② In Industry
③ Marketing.
④ Programming decision.

....

Q. 4. A company manufactures two types of products, P_1 and P_2. Each product uses lathe and milling machine. The processing time per unit of P_1 on the lathe is 5 hours and on the milling machine is 4 hours. The processing time per unit of P_2 on the lathe is 10 hours and on the milling machine 4 hours. The maximum number of hours available per week on the lathe and the milling machine are 60 hours and 40 hours respectively. Also the profit per unit of selling P_1 and P_2 are Rs. 6 and Rs. 8 respectively. Formulate a linear programming model to determine the production volume of each of the products such that, the total profit is maximized. **(3 marks)**

→ x_1, x_2 are the manufactur of product P_1 & P_2

machine	Product 1	Product 2	available hr/week
Lathe	5	10	60
milling	4	4	40
	6	8	

→ objective function, maximise $Z = 6x_1 + 8x_2$

subject to, $5x_1 + 10x_2 \leq 60$

$4x_1 + 4x_2 \leq 40$

03

non-negative constraints $x_1, x_2 \geq 0$

Q. 5. Solve graphically the following LPP: **(3 marks)**

Minimise $Z = 40X_1 + 24X_2$

Subject to

$20X_1 + 50X_2 \geq 4800$

$80X_1 + 50X_2 \geq 7200$

$X_1, X_2 \geq 0$

→ $20x_1 + 50x_2 = 4800$

$x_1 = 0 \quad x_2 = 96$

$x_2 = 0 \quad x_1 = 240$

$80x_1 + 50x_2 = 7200$

$x_1 = 0 \quad x_2 = 144$

$x_2 = 0 \quad x_1 = 90$

pt	x_1	x_2	$Z = 40x_1 + 24x_2$
O	0	0	0
A	180	144	3456 ← minimise
C	45	75	3600
B	90 / 240	D	3600

$x_1 = 0$ & $x_2 = 144$ are the minimum optimal soln

$40x_1 + 24x_2 = 3456$

03

2928

SHIVAJI UNIVERSITY, KOLHAPUR

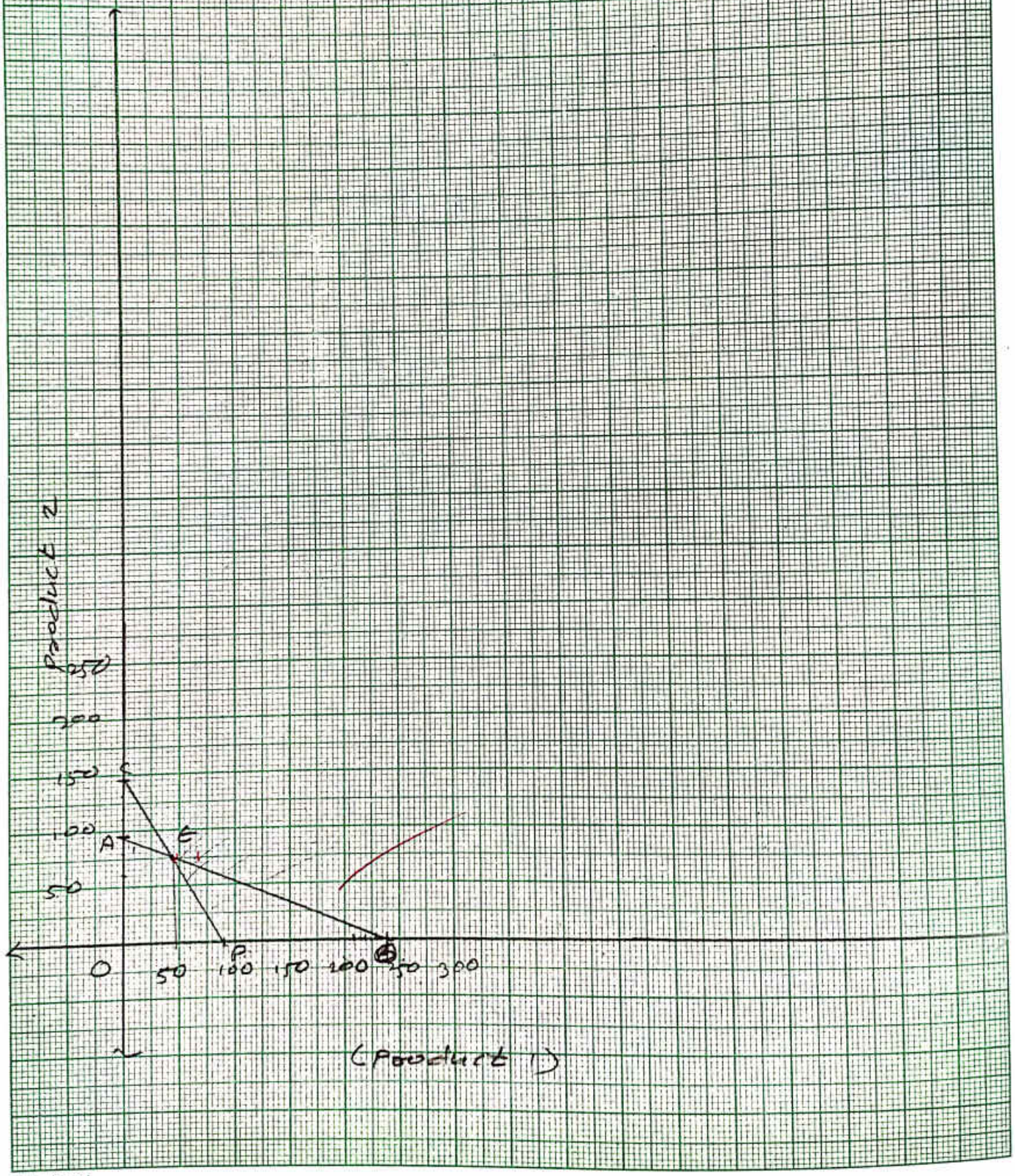
Centimeter Graph Paper

No. C/F No.

Code No. :

Q. No. .... Examination

College Name ..... Seat No.



Jobs/C-11

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA
Sanjeevan Knowledge City, Dist. Kolhapur. Pin.416 201

Name of the Student : Neha Gajanan Gaikwad.
Class : TY mechanical Roll No. : 24
Subject : QTPM. Date : 18-05-22
Language of Answer

Question No.	1	2	3	4	5	6	7	8	9	10	Total	out of	Examiner's Sign.
Marks obtainted											07+05 =12	20	

Main Answersheet + No. of Supplement = Total
01 + =

Supervisor's Signature

Q8

→ (1) This innovative science of operations Research was discovered during world war II

(2) An Iso-profit line represents An infinite number of solutions all of which yield the same Profit

(3) Decision variable are entities whose value is determined from the Solution of LPP

(4) The region of feasible solution in LPP graphical method is called feasible region

(5) When the solution is degenerate in transportation problem, we add a epsilon.

(6) Hungarian method is used in Assignment problem.

05

Q7.

→ maximize $Z = 10x_1 + 15x_2 + 20x_3$

subjected to

$2x + 4x_2 + 6x_3 \leq 24$

$3x + 9x_2 + 6x_3 \leq 30$

$x, x_2, x_3 \geq 0$

$Z = 10x_1 + 15x_2 + 20x_3 + 0S_1 + 0S_2$

$2x + 4x_2 + 6x_3 + S_1 = 24$

$3x_1 + 9x_2 + 6x_3 + S_2 = 30$

$x_1, x_2, x_3, S_1, S_2 \geq 0$

simple table - not optimal soln.

Basic	x_1	x_2	x_3	S_1	S_2	b_i	b_i/a_{ij}
S_1	0	2	4	6	1	0	24	4
S_2	0	3	9	6	0	1	30	5
C_j		10	15	20	0	0		
Soln		0	0	0	24	30		
$\Delta j = c_j - z_j$		10	15	20	0	0		

outgoing variable (key row)

↑ incoming variable (key column)

Replacement row, $\frac{1}{3}, \frac{2}{3}, 1, \frac{1}{6}, 0, 4$

old row - key element × replacement row in old row = new row

$3 - 6 \times 1/3 = 1$

$9 - 6 \times 2/3 = 5$

$6 - 6 \times 1 = 0$

$0 - 6 \times 1/6 = -1$

$1 - 6 \times 0 = 1$

$30 - 6 \times 4 = 6$

Simplex table - 2 Not optimal Sol^n

Basic	x_1	x_2	x_3	S_1	S_2	bi	bi/aij
x_3 20	1/3	2/3	1	1/6	0	4	12
S_2 0	1	5	0	-1	1	6	6 ← outgoing variable
cj	10	15	20	0	0		
Sol^n	0	0	4	0	6		
$\Delta j = cj - Rj$	10/3 ↑ incoming variable.	5/3	0	-10/3	0		

Replacement row = 1, 5, 0, -1, 1, 6

Old raw - old raw key * Replacement row = New row element

$\frac{1}{3} - 1/3 \times 1 = 0$

$2/3 - 1/3 \times 5 = -1$

$1 - 1/3 \times 0 = 1$

$1/6 - 1/3 \times -1 = 1/2$

$0 - 1/3 \times 1 = -1/3$

$4 - 1/3 \times 6 = 2.$

Simplex table -3 - optimal Sol^n.

Basis	x_1	x_2	x_3	S_1	S_2	bi
x_3 20	0	-1	1	1/2	-1/3	2
x_1 10	1	5	0	-1	1	6
cj	10	15	20	0	0	
Sol^n	6	0	2	0	0	
$\Delta j = cj - zj$	0	-5	0	0	-10/3	

The all Δj values are zero and negative then given Sol^n - is optimal Sol^n.

$x_1 = 6, x_2 = 0, x_3 = 2, S_1 = 0, S_2 = 0$

$Z = 10x_1 + 15x_2 + 20x_3 + 0s_1 + 0s_2$

$Z = (10 \times 6) + (15 \times 0) + (20 \times 2) + (0 \times 0) + (0 \times 0)$

$Z = 100$

Of

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SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Sanjeevan Knowledge City, Dist. Kolhapur. Pin.416 201

Suppliment No.

Name of the Student: Bhosale Satyamraje Panditrao

Class: TY Mech. Roll No.: 06

Subject: QTPM Date: 21/6/22

05 + 5 = 10

Supervisor's Signature

Q 1)

Operator

	1	2	3	4	5
Job 1	10	12	15	12	8
2	7	16	14	14	11
3	13	14	7	9	9
4	12	10	11	13	10
5	8	13	15	11	15

Phase-I Operator

Job	1	2	3	4	5	Row Mini
1	10	12	15	12	8	8
2	7	16	14	14	11	7
3	13	14	7	9	9	7
4	12	10	11	13	10	10
5	8	13	15	11	15	8

operator

Job	1	2	3	4	5
1	2	4	7	4	0
2	0	9	7	7	4
3	6	7	0	2	2
4	2	0	1	3	0
5	0	5	7	3	7
Column mini	0	0	0	2	0

Operator

Job	1	2	3	4	5
1	2	4	7	2	0
2	0	9	7	5	4
3	6	7	0	0	2
4	2	0	1	1	0
5	0	5	7	1	7

Operator

Job	1	2	3	4	5
1	2	4	7	2	[0]
2	[0]	9	7	5	4
3	6	7	[0]	0	2
4	2	[0]	1	1	0
5	0	5	7	1	7

Operator

Job	1	2	3	4	5
1	2	4	6	1	[0]
2	[0]	9	6	4	4
3	7	8	[0]	0	3
4	2	[0]	0	0	0
5	0	5	6	[0]	7

No.	Operator	Time
1	5	8
2	1	7
3	3	7
4	2	10
5	4	11

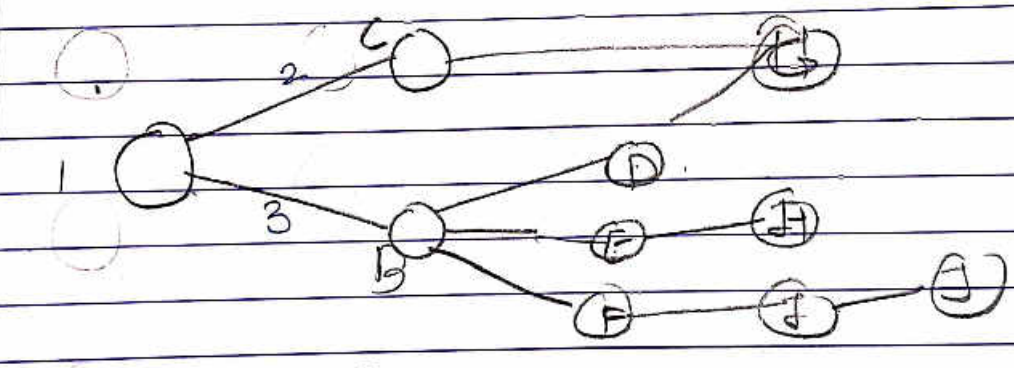
Processing Time 43 hr.

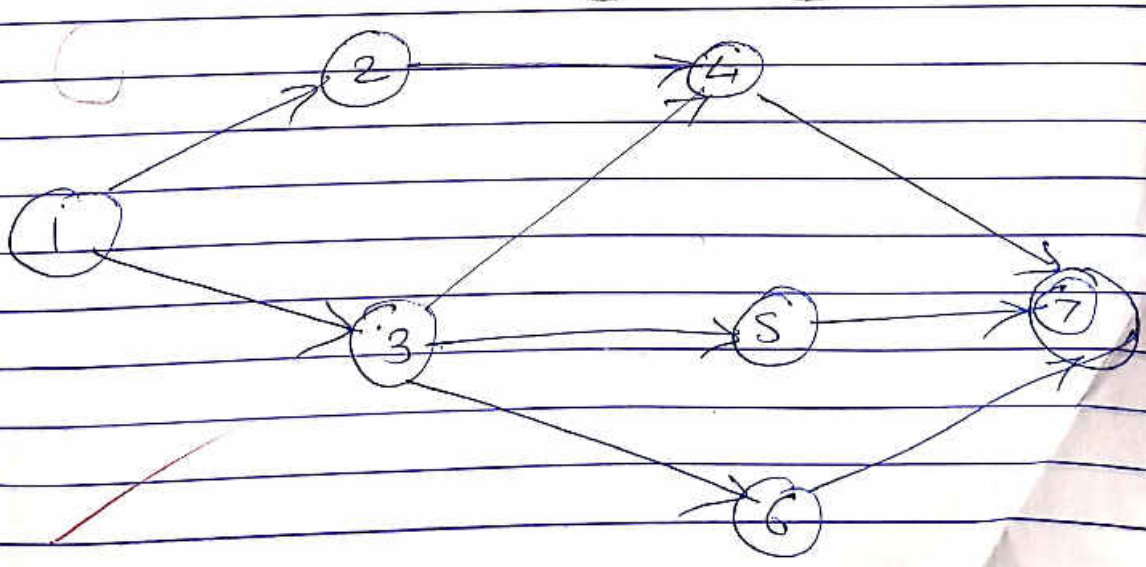
O)

Ques

Activity	Immediate Predecessor	Duration
A	-	5
B	-	4
C	A	8
D	B	8
E	B	8
F	B	5
G	C, D	8
H	E, I	22
I	F	2
J	F	12

. Network Dia.





A - C - G = 5 + 8 + 8 = 21

B - D - G = 4 + 8 + 8 = 20

B - E - H = 4 + 8 + 22 = 34

B - F - J = 4 + 5 + 12 = 21

B - F - J - H = 4 + 5 + 2 + 22 = 33

Critical Path = B - E - H

Critical duration = 34

or

BHOSALE SONALI SHIVAJI

Summer Semester Examinations 2022

MECHENG_SEM6 - B.Tech MECH Sem 6

Show

Winter Semester Examinations 2021

MECHENG_SEM5 - B.Tech MECH Sem 5

Show

Summer Semester Examinations 2021

BTECH_MECHENG_SEM4 - B.Tech MECH Sem 4

Show

Winter Semester Examinations 2020

BTECH_MECHENG_SEM3 - B.Tech MECH Sem 3

Subject Code	Subject Name	Total Credits	Max Marks	CA1	CA2	MTE	IPR	PR	ETE	REM	Grace Marks	Total Marks	Out of 100 Marks	Grade	Grade Points	Result
BTBSC301	Engineering Mathematics-III	4	100	9	10	20	-	-	60	-	-	99	99	EX	10	PASS
BTMEF310	Field Training	1	50	-	22	-	-	21	-	-	-	43	86	AA	9	PASS
BTMEC302	Material Science and Metallurgy	4	100	10	10	20	-	-	60	-	-	100	100	EX	10	PASS
BTMEC303	Fluid Mechanics	4	100	10	10	18	-	-	60	-	-	98	98	EX	10	PASS
BTMEC304	Machine Drawing and CAD	2	100	10	10	20	-	-	60	-	-	100	100	EX	10	PASS
BTMEC305	Thermodynamics	4	100	9	10	19	-	-	60	-	-	98	98	EX	10	PASS
BTMEL307	Materials Science and Metallurgy Lab	1	50	14	14	-	9	9	-	-	-	46	92	EX	10	PASS
BTHM3401	Basic Human Rights	AU	50	23	24	-	-	-	-	-	-	47	94	PP	0	PASS
BTMEL308	Fluid Mechanics Lab	1	50	14	14	-	9	9	-	-	-	46	92	EX	10	PASS
BTMEL309	Machine Drawing and CAD Lab	2	50	13	14	-	10	10	-	-	-	47	94	EX	10	PASS

Current Semester Performance			Cumulative Performance		
Credits	Grade Points	SGPA	Credits	Grade Points	CGPA
23	229	9.96	60	544	9.07

BHOSALE SONALI SHIVAJI

Summer Semester Examinations 2022

MECHENG_SEM6 - B.Tech MECH Sem 6

Show

Winter Semester Examinations 2021

MECHENG_SEM5 - B.Tech MECH Sem 5

Show

Summer Semester Examinations 2021

BTECH_MECHENG_SEM4 - B.Tech MECH Sem 4

Subject Code	Subject Name	Total Credits	Max Marks	CA1	CA2	MTE	IPR	PR	ETE	REM	Grace Marks	Total Marks	Out of 100 Marks	Grade	Grade Points	Result
BTMEC401	Manufacturing Processes-I	3	100	10	10	20	-	-	60	-	-	100	100	EX	10	PASS
BTMEL410	Numerical Methods Lab	1	50	13	13	-	9	9	-	-	-	44	88	AA	9	PASS
BTMEC402	Theory of Machines-I	4	100	10	10	20	-	-	60	-	-	100	100	EX	10	PASS
BTMEC403	Strength of Materials	4	100	10	10	20	-	-	60	-	-	100	100	EX	10	PASS
BTMEC404	Numerical Methods in Mechanical Engineering	3	100	10	9	20	-	-	60	-	-	99	99	EX	10	PASS
BTID405	Product Design Engineering	2	50	13	13	-	9	9	-	-	-	44	88	AA	9	PASS
BTHM3402	Interpersonal Communication Skills and Self Development for Engineer	3	100	10	9	19	-	-	60	-	-	98	98	EX	10	PASS
BTMEL407	Manufacturing Processes Lab - I	1	50	15	15	-	10	10	-	-	-	50	100	EX	10	PASS
BTMEL408	Theory of Machines Lab-I	1	50	15	15	-	10	9	-	-	-	49	98	EX	10	PASS
BTMEL409	Strength of Materials Lab	1	50	14	15	-	10	9	-	-	-	48	96	EX	10	PASS

Current Semester Performance			Cumulative Performance		
Credits	Grade Points	SGPA	Credits	Grade Points	CGPA
23	227	9.87	83	771	9.29

BHOSALE SATYAMRAJE PANDITRAO

Summer Semester Examinations 2022

MECHENG_SEM6 - B.Tech MECH Sem 6

Show

Winter Semester Examinations 2021

MECHENG_SEM5 - B.Tech MECH Sem 5

Show

Summer Semester Examinations 2021

BTECH_MECHENG_SEM4 - B.Tech MECH Sem 4

Show

Winter Semester Examinations 2020

BTECH_MECHENG_SEM3 - B.Tech MECH Sem 3

Subject Code	Subject Name	Total Credits	Max Marks	CA1	CA2	MTE	IPR	PR	ETE	REM	Grace Marks	Total Marks	Out of 100 Marks	Grade	Grade Points	Result
BTBSC301	Engineering Mathematics-III	4	100	4	5	8	-	-	56	-	-	73	73	BC	7.5	PASS
BTMEF310	Field Training	1	50	-	21	-	-	22	-	-	-	43	86	AA	9	PASS
BTMEC302	Material Science and Metallurgy	4	100	10	10	18	-	-	60	-	-	98	98	EX	10	PASS
BTMEC303	Fluid Mechanics	4	100	8	9	18	-	-	60	-	-	95	95	EX	10	PASS
BTMEC304	Machine Drawing and CAD	2	100	9	10	18	-	-	60	-	-	97	97	EX	10	PASS
BTMEC305	Thermodynamics	4	100	8	10	18	-	-	60	-	-	96	96	EX	10	PASS
BTMEL307	Materials Science and Metallurgy Lab	1	50	12	11	-	8	7	-	-	-	38	76	BB	8	PASS
BTHM3401	Basic Human Rights	AU	50	21	20	-	-	-	-	-	-	41	82	PP	0	PASS
BTMEL308	Fluid Mechanics Lab	1	50	12	12	-	6	7	-	-	-	37	74	BC	7.5	PASS
BTMEL309	Machine Drawing and CAD Lab	2	50	12	11	-	8	9	-	-	-	40	80	BB	8	PASS

Current Semester Performance			Cumulative Performance		
Credits	Grade Points	SGPA	Credits	Grade Points	CGPA
23	211	9.17	23	211	9.17

BHOSALE SATYAMRAJE PANDITRAO

Summer Semester Examinations 2022

MECHENG_SEM6 - B.Tech MECH Sem 6

Show

Winter Semester Examinations 2021

MECHENG_SEM5 - B.Tech MECH Sem 5

Show

Summer Semester Examinations 2021

BTECH_MECHENG_SEM4 - B.Tech MECH Sem 4

Subject Code	Subject Name	Total Credits	Max Marks	CA1	CA2	MTE	IPR	PR	ETE	REM	Grace Marks	Total Marks	Out of 100 Marks	Grade	Grade Points	Result
BTMEC401	Manufacturing Processes-I	3	100	10	10	18	-	-	60	-	-	98	98	EX	10	PASS
BTMEL410	Numerical Methods Lab	1	50	8	7	-	4	5	-	-	-	24	48	EE	5	PASS
BTMEC402	Theory of Machines-I	4	100	10	9	17	-	-	54	-	-	90	90	AA	9	PASS
BTMEC403	Strength of Materials	4	100	10	10	20	-	-	60	-	-	100	100	EX	10	PASS
BTMEC404	Numerical Methods in Mechanical Engineering	3	100	5	8	13	-	-	60	-	-	86	86	AA	9	PASS
BTID405	Product Design Engineering	2	50	10	10	-	9	9	-	-	-	38	76	BB	8	PASS
BTHM3402	Interpersonal Communication Skills and Self Development for Engineer	3	100	10	10	17	-	-	60	-	-	97	97	EX	10	PASS
BTMEL407	Manufacturing Processes Lab - I	1	50	14	14	-	9	9	-	-	-	46	92	EX	10	PASS
BTMEL408	Theory of Machines Lab-I	1	50	14	14	-	10	9	-	-	-	47	94	EX	10	PASS
BTMEL409	Strength of Materials Lab	1	50	14	15	-	10	9	-	-	-	48	96	EX	10	PASS

Current Semester Performance			Cumulative Performance		
Credits	Grade Points	SGPA	Credits	Grade Points	CGPA
23	214	9.30	46	425	9.24

Summer Semester Examinations 2022

MECHENG_SEM6 - B.Tech MECH Sem 6

Show

Winter Semester Examinations 2021

MECHENG_SEM5 - B.Tech MECH Sem 5

Show

Summer Semester Examinations 2021

BTECH_MECHENG_SEM4 - B.Tech MECH Sem 4

Show

Winter Semester Examinations 2020

BTECH_MECHENG_SEM3 - B.Tech MECH Sem 3

Subject Code	Subject Name	Total Credits	Max Marks	CA1	CA2	MTE	IPR	PR	ETE	REM	Grace Marks	Total Marks	Out of 100 Marks	Grade	Grade Points	Result
BTBSC301	Engineering Mathematics-III	4	100	10	10	19	-	-	60	-	-	99	99	EX	10	PASS
BTMEF310	Field Training	1	50	-	22	-	-	22	-	-	-	44	88	AA	9	PASS
BTMEC302	Material Science and Metallurgy	4	100	10	10	14	-	-	60	-	-	94	94	EX	10	PASS
BTMEC303	Fluid Mechanics	4	100	10	10	19	-	-	60	-	-	99	99	EX	10	PASS
BTMEC304	Machine Drawing and CAD	2	100	8	10	20	-	-	60	-	-	98	98	EX	10	PASS
BTMEC305	Thermodynamics	4	100	9	9	19	-	-	60	-	-	97	97	EX	10	PASS
BTMEL307	Materials Science and Metallurgy Lab	1	50	11	12	-	7	7	-	-	-	37	74	BC	7.5	PASS
BTHM3401	Basic Human Rights	AU	50	21	21	-	-	-	-	-	-	42	84	PP	0	PASS
BTMEL308	Fluid Mechanics Lab	1	50	12	11	-	7	6	-	-	-	36	72	BC	7.5	PASS
BTMEL309	Machine Drawing and CAD Lab	2	50	13	13	-	9	10	-	-	-	45	90	AA	9	PASS

Current Semester Performance			Cumulative Performance		
Credits	Grade Points	SGPA	Credits	Grade Points	CGPA
23	222	9.65	23	222	9.65

Summer Semester Examinations 2022

MECHENG_SEM6 - B.Tech MECH Sem 6

Show

Winter Semester Examinations 2021

MECHENG_SEM5 - B.Tech MECH Sem 5

Show

Summer Semester Examinations 2021

BTECH_MECHENG_SEM4 - B.Tech MECH Sem 4

Subject Code	Subject Name	Total Credits	Max Marks	CA1	CA2	MTE	IPR	PR	ETE	REM	Grace Marks	Total Marks	Out of 100 Marks	Grade	Grade Points	Result
BTMEC401	Manufacturing Processes-I	3	100	10	10	20	-	-	60	-	-	100	100	EX	10	PASS
BTMEL410	Numerical Methods Lab	1	50	13	14	-	10	9	-	-	-	46	92	EX	10	PASS
BTMEC402	Theory of Machines-I	4	100	10	10	20	-	-	60	-	-	100	100	EX	10	PASS
BTMEC403	Strength of Materials	4	100	10	10	20	-	-	60	-	-	100	100	EX	10	PASS
BTMEC404	Numerical Methods in Mechanical Engineering	3	100	9	10	20	-	-	60	-	-	99	99	EX	10	PASS
BTID405	Product Design Engineering	2	50	14	14	-	9	9	-	-	-	46	92	EX	10	PASS
BTHM3402	Interpersonal Communication Skills and Self Development for Engineer	3	100	10	9	19	-	-	60	-	-	98	98	EX	10	PASS
BTMEL407	Manufacturing Processes Lab - I	1	50	15	15	-	10	10	-	-	-	50	100	EX	10	PASS
BTMEL408	Theory of Machines Lab-I	1	50	15	15	-	10	9	-	-	-	49	98	EX	10	PASS
BTMEL409	Strength of Materials Lab	1	50	14	15	-	10	9	-	-	-	48	96	EX	10	PASS

Current Semester Performance			Cumulative Performance		
Credits	Grade Points	SGPA	Credits	Grade Points	CGPA
23	230	10.00	46	452	9.83

	DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.
	Sanjeevan Engineering & Technology Institute, Panhala
	Department of Mechanical Engineering
	CA-I
seti	SEMESTER: I — ACADEMIC YEAR: 2021-22
	NAME OF STUDENT: Gandhar Sandhya Appaso — ROLL No.: 101
	CLASS: F.Y.Btech Div-A — MARKS: 10
	DAY & DATE : Monday, 07/02/2022
	SUBJECT: Energy and Environment Engineering

10/10

INSTRUCTIONS:

1. All questions are compulsory.
2. Circle on the correct answer for objective questions. Multiple circles or ticks are not allowed and considered as zero mark.

Q. No.	Questions	Examiner Marks
1.	**In all power plants, minimum quantity of fuel is required in.....** a) Thermal power plant b) Hydro electric power plant c) Nuclear power plant d) Gas turbine plant	
2.	**Which of the following is renewable source of energy?** a) solar energy b) natural gas c) mineral d) coal	
3.	**Which of the following is required for the installation of a wind turbine system?** a) A weak wind flow b) A consistent and strong wind flow c) Still air d) A consistent wind flow with obstructions	
4.	**Renewable energy plants require _____ than traditional generators.** a) more fuel b) less maintenance c) higher operating cost d) more uranium	
5.	**_____ energy sources provide energy in dilute form.** a) Non-Renewable b) Conventional c) Nuclear d) Renewable	

7. Which ...

6. **Based on the following options, choose the correct option.**

Statement I: Non-Conventional energy is available in nature free of cost.

Statement II: Non-Conventional energy is exhaustible in nature.

a) Statement I and Statement II are correct and Statement II is the correct explanation of Statement I

b) Statement I and Statement II are correct and Statement II is not the correct explanation of Statement I

c) Statement I is true and Statement II is false

d) Statement II is true and Statement I is false

7. **A moderator, in nuclear power plants, is a medium introduced into the fuel mass in order to _____**

a) control the reaction

b) reduce the temperatur

c) extract heat from nuclear reaction

d) slow down the speed of fast moving neutrons

8. **Which Uranium isotope is used in nuclear power plants?**

a) U-235

b) U-234

c) U-215

d) U-218

9. **Which of these Energy resources is/are widely used in industries?**

a) Coal and Gasoline

b) Wood

c) Biogas

d) Crop Residue

10. **What is a solar collector?**

a) A system to collect heat by absorbing sunlight

b) A system to collect rainwater using sunlight

c) A system to collect electricity by using sunlight

d) A device to reflect sunlight back

DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.

Sanjeevan Engineering & Technology Institute, Panhala

Department of Mechanical Engineering

CA-II

SEMESTER: I | ACADEMIC YEAR: 2021-22

NAME Of STUDENT: Gandhar Sandhya | ROLL No.: 101

CLASS: F.Y. Div-A | MARKS: 10

DAY & DATE : Tuesday, 05/04/2022

SUBJECT: Energy and Environment Engineering

09/10

NSTRUCTIONS:

1. All questions are compulsory.
2. Circle on the correct answer for objective questions. Multiple circles or ticks are not allowed and considered as zero mark.

Q. No.	Questions	Examiner Marks
1.	**Sound becomes hazardous noise pollution at decibels** a) above 30 b) above 80 c) above 100 d) above 120	c ✓
2.	**The ozone layer in the atmosphere acts as an efficient filter for..** a) X-rays b) UV-A rays c) UV-B rays d) IR rays	b ✓
3.	**Which of these is water borne disease?** a) gastonteritis b) typhoid c) cholera d) all of these	c ✓
4.	**Mobility analysers are used to measure particle size of** a) 0.02-10 micron b) 0.008-1 micron c) 0.005-0.2 micron d) 0.001-100 micron	b ✓
5.	**Impacters are used to measure particle size of** a) 0.02-10 micron b) 0.008-1 micron c) 0.005-0.2 micron d) 0.001-100 micron	a ✓
6.	**Muncipal solid waste was implemented in** a) 2010 b) 2005 c) 2000 d) 1990	c ✓
7.	**A diesel generator has decibel rating** a) 100 b) 110 c) 120 d) 130	c ✗
8.	**Acid rain is caused by** a) SO_x and NO_x b) CO_2 c) nitrogen d) NH_3	a ✓
9.	**Pyrolysis occurs at temperature above ___ degree celcius** a) 300 b) 400 c) 500 d) 600	b ✓
10	**Air pollution is likely to be most severe** a) in the summer b) in the interior of continents c) when the atmosphere is turbulent d) near the center of an anticyclone	c ✓

DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.

Sanjeevan Engineering & Technology Institute, Panhala

Department of Mechanical Engineering

CA-II

SEMESTER: I | ACADEMIC YEAR: 2021-22

NAME Of STUDENT: Premshrikant Kamble | ROLL No.: 102

CLASS: F.Y. Div-A | MARKS: 10

DAY & DATE : Tuesday, 05/04/2022

SUBJECT: Energy and Environment Engineering

08/10

INSTRUCTIONS:

1. All questions are compulsory.
2. Circle on the correct answer for objective questions. Multiple circles or ticks are not allowed and considered as zero mark.

Q. No.	Questions	Examiner Marks
1.	**Sound becomes hazardous noise pollution at decibels** a) above 30 b) above 80 c) above 100 d) above 120	c ✓
2.	**The ozone layer in the atmosphere acts as an efficient filter for..** a) X-rays b) UV-A rays c) UV-B rays d) IR rays	b ✓
3.	**Which of these is water borne disease?** a) gastonteritis b) typhoid c) cholera d) all of these	c ✓
4.	**Mobility analysers are used to measure particle size of** a) 0.02-10 micron b) 0.008-1 micron c) 0.005-0.2 micron d) 0.001-100 micron	d ✗
5.	**Impacters are used to measure particle size of** a) 0.02-10 micron b) 0.008-1 micron c) 0.005-0.2 micron d) 0.001-100 micron	a ✓
6.	**Muncipal solid waste was implemented in** a) 2010 b) 2005 c) 2000 d) 1990	b ✓
7.	**A diesel generator has decibel rating** a) 100 b) 110 c) 120 d) 130	c ✗
8.	**Acid rain is caused by** a) SO_x and NO_x b) CO_2 c) nitrogen d) NH_3	a ✓
9.	**Pyrolysis occurs at temperature above____ degree celcius** a) 300 b) 400 c) 500 d) 600	b ✓
10	**Air pollution is likely to be most severe** a) in the summer b) in the interior of continents c) when the atmosphere is turbulent d) near the center of an anticyclone	c ✓

CA-1-M-I

HOLY-WOOD ACADEMY'S

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Sanjeevan Knowledge City, Dist. Kolhapur. Pin.416 201

Suppliment No.

Name of the Student: Joaquina Gabriel lobo

Class: F.Y Roll No.: 221

Subject: Mathematics. Date: 21/06/2022

Supervisor's Signature

8/10

Q1

1 $x^6 - 1 = 0$

$x^6 = 1$

$x = (1)^{1/6}$

$= [\cos 0 + i \sin 0]^{1/6}$

$= [\cos 2k\pi + i \sin 2k\pi]^{1/6}$

$= \left[\cos \frac{2k\pi}{6} + i \sin \frac{2k\pi}{6}\right]$

where $k = 0, 1, 2, 3, 4, 5$

put $k = 0$ $x_1 = \cos 0 + i \sin 0$

$k = 1$ $x_2 = \cos \frac{2\pi}{6} + i \sin \frac{2\pi}{6}$

$k = 2$ $x_3 = \cos \frac{4\pi}{6} + i \sin \frac{4\pi}{6}$

$k = 3$ $x_4 = \cos \pi + i \sin \pi$

$k = 4$ $x_5 = \cos \frac{8\pi}{6} + i \sin \frac{8\pi}{6}$

$k = 5$ $x_6 = \cos \frac{10\pi}{6} + i \sin \frac{10\pi}{6}$.

3 $\sin 4\theta$.

$\rightarrow$ $(\cos\theta + i\sin\theta)^n = \cos n\theta + i\sin n\theta$.

1
1 2 1
1 3 3 1
1 4 6 4 1

$(\cos\theta + i\sin\theta)^4 = \cos 4\theta + i\sin 4\theta$.

$i^2 \cdot i$
$-1 \cdot i$
$-i$

$(\cos\theta + i\sin\theta)^4 = \cos^4\theta + 4\cos^3\theta \cdot i\sin\theta + 6\cos^2\theta \cdot i^2\sin^2\theta + 4\cos\theta \cdot i\sin^3\theta + i\sin^4\theta$.

$= \cos^4\theta + 4\cos^3\theta \cdot i\sin\theta - 6\cos^2\theta \cdot \sin^2\theta - 4\cos\theta \cdot i\sin^3\theta + \sin^4\theta$.

$\cos 4\theta + i\sin 4\theta = \cos^4\theta - 6\cos^2\theta \cdot \sin^2\theta + \sin^4\theta + i(4\cos^3\theta \cdot \sin\theta - 4\cos\theta \cdot \sin^3\theta)$

$$\boxed{\sin 4\theta = 4\cos^3\theta \cdot \sin\theta - 4\cos\theta \cdot \sin^3\theta}$$

2 $x + iy$

$$\frac{(3+i)^2}{2+i}$$

$\rightarrow$ $= \frac{3^2 + 6i + i^2}{2+i}$

$= \frac{9 + 6i - 1}{2+i}$

$= \frac{8 + 6i}{2+i}$

$= \frac{8+6i}{2+i} \times \frac{(2-i)}{2-i}$

$= \frac{16 - 8i + 12i - 6i^2}{(2)^2 - (i)^2}$

$= \frac{16 + 4i - 6i^2}{4+1}$

$= \frac{22 + 4i}{5}$

$$\boxed{= \frac{22}{5} + \frac{4}{5}i}$$

HOLY- WOOD ACADEMY'S

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Sanjeevan Knowledge City, Dist. Kolhapur. Pin.416 201

Suppliment 1 No.

Name of the Student: Joaquina Crabbiel

Class: F.Y Roll No.: 221

Subject: Mathematics. Date: 21/06/22

Supervisor's Signature

Q2

1 $(2xy + y^2)dx + (x^2 + 2xy + \sin y)dy = 0$

$M = 2xy + y^2$

$N = x^2 + 2xy + \sin y$.

$\frac{\partial M}{\partial y} = 2x + 2y$

$\frac{\partial N}{\partial x} = 2x + 2y$

$\therefore \frac{\partial M}{\partial y} = \frac{\partial N}{\partial x}$

$\therefore$ Given eq^n is exact diff^n eq^n.

Solution is.

$= \int_{y.\text{ const}} M\,dx + \int_{\text{terms free from } x} N\,dy$

$= \int_{y\text{ const}} 2xy + y^2 + \int \sin y.$

$= 2y\frac{x^2}{2} + y^2 \cdot x + (-\cos y)$

$\boxed{= yx^2 + xy^2 - \cos y}$

$\arg(z+1) = \frac{\pi}{6}$ and $\arg(z-1) = \frac{2\pi}{3}$ find z

$\arg(x+iy+1) = \frac{\pi}{6}$

$\arg(x+1+iy) = \frac{\pi}{6}$

$\tan^{-1}\frac{y}{x+1} = \frac{\pi}{6}$

2 $y + xy^2\,dx + x - x^2y\,dy = 0$ — ①

$M = y + xy^2$

$N = x - x^2y$

$\frac{\partial M}{\partial y} = 1 + 2x.y$

$\frac{\partial N}{\partial x} = 1 - 2xy.$

$\frac{\partial M}{\partial y} \neq \frac{\partial N}{\partial x}$

The given eqⁿ is non-exact.

$f(x,y)\,y\,dx + g(x,y)\,x\,dy = 0.$

$= \frac{\frac{\partial M}{\partial y} - \frac{\partial N}{\partial x}}{N}$ I.F $= \frac{1}{Mx - Ny}$

$= \frac{1}{xy + x^2y^2 - xy + x^2y^2}$

$= \frac{1 + 2xy - 1 - 2xy}{x - x^2y}$ I.F $= \frac{1}{2x^2y^2}$

$= \frac{1}{My}$

Multiply eqⁿ ① by I.F

$\frac{y + xy^2}{2x^2y^2}\,dx + \frac{x - x^2y}{2x^2y^2}\,dy = 0.$

$\frac{1}{2x^2y} + \frac{1}{2x} + \frac{1}{2xy^2} - \frac{1}{2y} = 0.$

$\frac{1}{2x}\left(\frac{1}{xy} + 1\right) + \frac{1}{2y}\left(\frac{1}{xy} - 1\right) = 0.$

$xy + \frac{x^2}{2y}$

4 $x^9 - x^5 + x^4 - 1 = 0$

$x^5(x^4-1) + (x^4-1) = 0$

$(x^4-1)(x^5+1) = 0$

$x^4 = 1$ or $x^5 = -1$

$x = 1^{1/4}$ $x = (-1)^{1/5}$.

$x = 1^{1/4}$

$= [\cos 0 + i\sin 0]^{1/4}$

$= \cos \frac{2k\pi}{4} + i\sin \frac{2k\pi}{4}$

$k = 0, 1, 2, 3.$

put $k=0$ $x_1 = \cos 0 + i\sin 0.$

$k=1$ $x_2 = \cos \frac{2\pi}{4} + i\sin \frac{2\pi}{4}$

$k=2$ $x_3 = \cos \pi + i\sin \pi$

$k=3$ $x_4 = \cos \frac{6\pi}{4} + i\sin \frac{6\pi}{4}.$

Now $x = (-1)^{1/5}.$

$= [\cos \pi + i\sin \pi]^{1/5}$

$= [\cos(2k\pi + \pi) + i\sin(2k\pi + \pi)]^{1/5}.$

$= \cos\left(\frac{2k+1}{5}\right)\pi + i\sin\left(\frac{2k+1}{5}\right)\pi$

$k = 0, 1, 2, 3, 4$

put $k=0$ $x_5 = \cos \frac{\pi}{5} + i\sin \frac{\pi}{5}$

$k=1$ $x_6 = \cos \frac{3\pi}{5} + i\sin \frac{3\pi}{5}.$

$k=2 \quad x_7 = \cos\frac{5\pi}{5} + i\sin\frac{5\pi}{5}$

$k=3 \quad x_8 = \cos\frac{7\pi}{5} + i\sin\frac{7\pi}{5}$

$k=4 \quad x_9 = \cos\frac{9\pi}{5} + i\sin\frac{9\pi}{5}$

$\therefore \quad x_1 = \cos 0 + i\sin 0$

$x_2 = \cos\frac{\pi}{2} + i\sin\frac{\pi}{2}$

$x_3 = \cos\pi + i\sin\pi$

$x_4 = \cos\frac{3\pi}{2} + i\sin\frac{3\pi}{2}$

$x_5 = \cos\frac{\pi}{5} + i\sin\frac{\pi}{5}$

$x_6 = \cos\frac{3\pi}{5} + i\sin\frac{3\pi}{5}$

$x_7 = \cos 5\pi + i\sin\pi$

$x_8 = \cos\frac{7\pi}{5} + i\sin\frac{7\pi}{5}$

$x_9 = \cos\frac{9\pi}{5} + i\sin\frac{9\pi}{5}$

Seat No.					

HOLY-WOOD ACADEMY's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

B.Tech-I (First Year Engineering) 2021-22

CONTINUOUS ASSESMENT TEST-I

Day & Date: Monday, 07th Feb 2022 Time: 08

Subject & Code: Communication Skills (BTHM104) Marks: 10

1) Name of The Student : Gandhikar Sandhya Apparao
2) Enrollment No :
3) Roll No : 01.

Signature of Student Signature of Supervisor Signature of Examiner

Q. 1 Write an appropriate option in the bracket to complete the following sentences (10)

1. A certain look or glance is an example of_____ d
   a. verbal communication. b. oral communication. c. written Communication. d. non verbal communication

2. _____ is the first enemy of communication. a
   a) Noise b) Clarity c) Politeness d) Completeness

3. What body language shows you are listening? b
   a) turning away from the speaker b) nodding and making eye contact c) looking out of the window d)looking at talker's body

4. Once the message is encoded in a desired format it is transferred through a medium called _____ a
   a) Channel b) Medium c) Media d) Way

5. The person who transmits the message is called the ___ d
   a) Sender b) Gives c) Taker d) Receiver

Seat No.						

HOLY-WOOD ACADEMY's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

B.Tech-I (First Year Engineering) 2021-22

CONTINUOUS ASSESMENT TEST-I

Day & Date: Monday, 07th Feb 2022 Time: 1 0

Subject & Code: Communication Skills (BTHM104) Marks: 10

1) Name of The Student : Kiran Vasant Rathod
2) Enrollment No :
3) Roll No : 105

Kiran
Signature of Student

Signature of Supervisor

Signature of Examiner

Q. 1 Write an appropriate option in the bracket to complete the following sentences (10)

1. A person's nonverbal behavior is often used to gauge whether he or she is telling the truth. Which of the following facial clues often reveals lying? d

a) Crooked smile b) Facial shift c) Failure to look you in the eye

d) All of the above are indicators of lying.

2. Visual communication uses _____to communicate messages. c

a. Space b.Words c. Signs d. feedback

3. Which of these elements is not involved in the process of communication?

a) Pipe b) Sender c) Message d) Channel a

4. Which of these is the third element of communication?

a) Sender b) Channel c) Message d) Receiver b

HOLY- WOOD ACADEMY'S

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Sanjeevan Knowledge City, Dist. Kolhapur. Pin.416 201

Name of the Student : Gandhkar Sandhya Apparao

Class : FY Roll No. : 101

Subject : Communication Skills Date : 04/03/2022

Language of Answer English.

Question No.	1	2	3	4	5	6	7	8	9	10	Total	out of	Examiner's Sign.
Marks obtained	6	3	2								11	20	

Main Answersheet + No. of Supplement = Total
01 + =

Supervisor's Signature

1 c) 44.

2 a) Back

3) c) freely

4) d) Feedback

5) c) Physical

6) d) Soft.

A→ The functions of communication are
① Informing ② Providing data
③ Motivate ④ contacting.
This function can inform and provide
to the peoples.

B) 7Cs of Communication
→ ① Courtsy ② consideration
③ completness ④ Correctness
⑤ Coherence ⑥ Consistency
⑦ Concertness ⑧ coherant
⑨ Consiousness

C) The movements of Body part and their
is known as body language or
kinesics is the interpetation of motion
body communication by facial expressions
gestures, etc. And also non-verbal move
of body parts.

A) Eight essential components of communication.

→ ① Channel ② Message
③ Reciver ④ feedback
⑤ Environment ⑥ Source
⑦ Contact ⑧ Sender

① Source → imagines, creat

② Message → Message is a stimulous or meaning produced to contact.

③ Channel → Channel is the source of message or messages between reciver and sender

④ Sender → A meaningful information send to contact.

⑤ Reciver → A message recives by sender.

⑥ feedback → Response to recived message

⑦ Environment → Atmosphere between Sender and reciver.

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Continuous assessment 2

Course: B. Tech(All Branches) Sem: I
Subject Name: Communication Skills Subject Code: BTBS104
Max Marks: 10 Date:-5 Apr,2022 Duration:- 1/2 Hr.

08/10

Roll no.	122	PRN No.	
Name of Student	Sonam Ramesh prasad.		
Name and Sign of Supervisor			

Q.1	**The cashers as well as the accountant.....come.** a. has b. have c. been d. be	a ✓
Q.2	**I love singing old Hindi songs.** a. present progressive b. simple present c. present perfect d. past perfect	b ✓
Q.3	**Sir, I ..... my B. Tech. degree in 2008.** a. pass b. had passed c. passed d. passing	c ✓
Q.4	**I am sure I.....about the episode in some magazine.** a) have read b) has read c) having read d) All of the mentioned.	a ✓
Q.5	**The children.:.....playing cricket in the garden.** (a) was (b) were (c) have (d) had	b ✓
Q.6	**We advise the patients of the swine flew to wear a mask. (change the voice)** The patients of the swine flew advise to wear a mask by us.	✗
Q.7	**Sham is fixing the computer. (change the voice)** The computer has being fixing by sham.	✓
Q.8	**Who is doing the dishes? (change the voice)** The dishes is doing by them.	✗
Q.9	**A mango was being eaten by Ram. (change the voice)** Ram has being eating a mango.	✓
Q.10	**Mother writes an email. (change the voice)** An email has been written by mother.	✓

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Continuous assessment 2

Course: B. Tech(All Branches) **Sem: I**
Subject Name: Communication Skills **Subject Code: BTBS104**
Max Marks: 10 **Date:-5 Apr,2022** **Duration:- 1/2 Hr.**

06/10

Roll no.	102	PRN No.	
Name of Student	Prem shrikant kamble		
Name and Sign of Supervisor			

Q.1	**I .....my lunch before the kids came from school.** a. have finished b. has finished c. had finished d. none of above	
Q.2	**By next Thursday, I ..... on this project.** a. am working b. will be working c. will have been working d. both A and B	
Q.3	**He.....daily for a year.** a. excises b. have been exercising c. has been exercising d. Both B and C	
Q.4	**The researchers .....several countries in order to collect the significant data.** a. has travelled b. have travelled c. is travelling d. All of the mentioned	
Q.5	**The cake ..... sweet.** a. smells b. smell c. are smell d. is smell	
Q.6	**Geeta will have written a letter. (change the voice)** The letter will have been written by Geeta.	
Q.7	**Maria has been helped with her project by John. (change the voice)** John has maria helped with her project.	
Q.8	**Please help me. (change the voice)** help me please.	
Q.9	**Sameer has written a story. (change the voice)** story has been written by sameer	
Q.10	**The function will be organized in the auditorium by them. (change the voice)** They will organised Function in auditorium	

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Continuous Assessment-I Examination – 2021-22

Course: F.Y. B. Tech (Chem Group) **Sem: I**

Subject Name: Engineering Chemistry **Subject Code: BTBS102**

Max Marks:10 **Date:-07/02/2022** **Duration:- 1/2 Hr.**

Instructions: *Attempt all multiple choice questions*

Roll No:		**PRN No.**		**Marks**
Name of Student:				

Q.1 Pick the correct answer of choices given:

1)	Permanent hardness is also known as ------- a) Carbonate hardness b) Non- carbonate hardness c) Total hardness d) None of above	
2)	A non-condensable gas is found a) Above the critical point b) Below the critical point c) On the critical point d) None of the mentioned	
3)	According to condensed phase rule at eutectic point system is ---- a) Invariant b) Bivariant c)Both d)None	
4)	Hardness of water is mainly due to --- and --- salts . a)Zinc and Iron b) Carbonate and non carbonate c) Calcium and magnesium d) Nitrates and sulphates	
5)	In water system at triple point the system is----- a)Uni variant b) Bivariant c) Invariant d) None of above	
6)	What is the degree of freedom of a system with 3 phases and 5 components? a)4 b)3 c)2 d)1	
7)	III effects of scale formation in boilers are ------ . a) Wastage of fuel b) Overheating of boilers c) Lowering safety of boilers d) All of above	
8)	The correct phase rule expression for Ag – Pb system is -----. a) $F = C - P + 2$ b) $F = C - P + 1$ c) $F = 3 - P$ d) None of above	
9)	Indicator used in EDTA method method to determine hardness of water is --- a) Thymol blue b) Alizarin Yellow R c) Eriochrome black T d) Bromocresol red	
10)	What is the degree of freedom of a system with 2 phases and 1 component? a)4 b)3 c)1 d)2	

*** End ***

Holywood Academy's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA

BASIC SCIENCES AND HUMANITIES DEPARTMENT

CONTINUOUS ASSESSMENT TEST – I

Class :F.Y. (Div A)

Date :07/02/2022

Time: 11.00 amTo 12.00 noon

Subject: Engineering Mathematics –I(BTBSC101)

Marks : 20Marks

Name of Student: _____

PRN / Roll No.: _____

INSTRUCTIONS:1) Solve any five. 2) Use nonprogrammable Calculator only.

Que. No.	Question	Marks	CO	PO
1	Find the rank of matrix $A=\begin{bmatrix}1 & 1 & -1 & 1\\ 1 & -1 & 2 & -1\\ 3 & 1 & 0 & 1\end{bmatrix}$	04	1	2
2	Test the consistency and solve $2x-3y+7z=5$, $3x+y-3z=13$ $2x+19y-47z=32$	04	1	2
3	For what values of k the following system of equations have non trivial solution $x+y+3z=0$, $4x+3y+kz=0$, $2x+y+2z=0$	04	1	2
4	Find the Eigen values and Eigen vector for largest Eigen value for the matrix $A=\begin{bmatrix}1 & 1 & 3\\ 1 & 5 & 1\\ 3 & 1 & 1\end{bmatrix}$	04	1	2
5	Verify Cayley Hamilton Theorem for the matrix $A=\begin{bmatrix}1 & 2\\ 2 & -2\end{bmatrix}$ And hence find A^{-1}.	04	1	2
6	Using Guass Jordan Method find A^{-1} for $\begin{bmatrix}2 & 1 & -1\\ 0 & 2 & 1\\ 5 & 2 & -3\end{bmatrix}$	04	1	2

**********BEST OF LUCK**********

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – 2021-22

Course: B. Tech First Year | Sem: I

Subject Name: Communication Skills | Subject Code: BTHM204

Marks: 20 | Date:- 05/07/2022 | Duration:- 1 Hr.

ructions to the Students:

1. All questions are compulsory
2. Figures to right indicate full marks
3. Illustrate your answers with neat sketches, diagrams etc. whenever necessary

	(Level/CO)	Marks
). 1		6
1. _____ is the study of use of time in non-verbal communication a. Chronemics b. Paralinguistics c. Haptic d. Oculesics	Remember	
2. The Definitive meaning of a word is called_____ a. Connotative b). Denotative c. Definition d. Abstract	Remember	
3. Which of these are vital for any organisation? a) Debates b) Group discussions c) Speeches d) Arguments	Remember	
4. _____ is related with eye contact. a. Gestures b. Proxemics c. Kinesics d. Oculesics	Remember	
5. . 'Extempore' means_____ a. A group discussion by many people b. A stage performance of speech done without preparation of any kind c. Elocution Speech which is performed by full preparation d. Presentation by using audio visual aids	Remember	
6. _____ is called technical language in communication a. Elocution b. Syntax c. Proxemics d. Jargon	Remember	
Q.2 Solve Any Two of the following.		3 X 2
(A) Which are the techniques of effective listening	Understand	
(B) Explain the major hurdles in developing efficient reading skill	Understand	
(C) Ways to communicate effectively in the Workplace	Understand	
Q. 3 Solve Any One of the following.		1 X 8
(A) Explain Various Barriers to Communication	Understand	
(B) Draw a figure of 'Functions of Communication' and provide explanations of each component	Understand	

DR BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

SANEEVAN ENGINEERING AND TECNOLOGY INSTITUTE, PANHALA

Department of Basic Science and Humanity

Mid Semester Examination

Sem: II

Academic Year: 2021-2022

Subject Name: Engineering Mechanics

Subject Code: BTES103

Max Marks: 20

Date:-05/07/2022

Time: 12:30 to 01:30 pm

		Marks
Q 1	Attempt following Questions	6
	1. Three forces acting on a rigid body are represented in magnitude, direction and line of action by the three sides of a triangle taken in order. The forces are equivalent to a couple whose moment is equal to _____ a)Area of the triangle b)Twice the area of the triangle c)Half the area of the triangle d)None of these	
	2. For the conditions of the equilibrium of the body, i.e. the rigid body only the external forces defines the equilibrium. Because the internal forces cancels out so not to be considered. a) The first part of the statement is false and other part is true b) The first part of the statement is false and other part is false too c) The first part of the statement is true and other part is false d) The first part of the statement is true and other part is true too	
	3. A force is developed by a support that not allows the _____ of its attached member: a) Translation b) Rotation c) Addition d) Subtraction	
	4. The co-efficient of friction depends upon _____ a) nature of surfaces b) area of contact c) shape of the surfaces d) none of these	
	5. A couple moment is developed when _____ of the attached member is prevented. a) Translation b) Rotation c) Addition d) Subtraction	
	6. Which of the following is not a type of support for beam? a) Fixed b)Flexible c) Simple d) Roller	

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Continuous Assessment-I Examination – June 2022

Course: F.Y. B. Tech (Chem Group) **Sem: II**

Subject Name: Engineering Chemistry **Subject Code: BTBS102**

Max Marks:10 **Date:-21/06/2022** **Duration:- 1/2 Hr.**

Instructions: *Attempt all multiple choice questions*

Roll No:		**PRN No.**		*Marks*
Name of Student:				

Pick the correct answer of choices given:

Which of following is not a term in Gibbs phase rule.
a) Degree of ionizàtion b) Degree of freedom c) Phases d) Components

Representation of the different phase of a compound on a two or three dimensional graph is
a) Block diagram b) Equilibrium diagram
c) Phase diagram d) None of the mentioned

Mixture (solution) of water and alcohol is considered as ----phase where as of water and oil as ----- phase.
a) One, Two b) Two, one c) Uniform, separate d) All of above

Ion exchange method is known as ------ .
a) Zeolite b) Osmosis c) Demineralisation d) Neutralisation

In phase diagram for one component system along curve, ------ phases exist in equilibrium.
a) All b) None c) Two d) All of above

Salts causing ----- hardness are treated by soda.
a) Non carbonate b) Temporary c) Permaanent d) All of above

In EDTA titration , the addition of buffer solution maintains –
a) Alkalinity b) Acidity c) pH d) Neutrality

The permitted hardness of water for low pressure boilers is -- .
a) 25- 50 ppm b) 10-25 ppm c) 0-2 ppm d) None of the above

Metal-EBT complex is ------ .
a) Blue coloured b) Wine red coloured c) Pink coloured d) Colourless

What is the number of phases in a system with 2 degrees of freedom and 2 components? a)1 b)3 c)4 d)2

*** End ***

DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.

Sanjeevan Engineering & Technology Institute, Panhala

MID SEMESTER EXAM SEM-II

CLASS: F.E. Div B & C	MARKS: 20
SUBJECT: EEE	DATE & Time : 05/07/2022

Instructions:

a) **All questions are compulsory.**

1. Explain with neat sketch working of steam power plant. (Marks 8)
2. Write short note on (any two) Marks 6

Solar energy

Wind energy

Tidal energy

Bio mass energy

3. Differentiate between reanable energy sources and !on renewable energy sources .(Marks 6)

CA1, MID TERM & CA2 Marks Sem- I 2021-22

Sub- Engg. Chemistry Class-F.Y.B.Tech. Div- C

Roll .No	Candidate Name	CA1	MID	CA2	Total
301	PATIL EKNATH SHANKAR		7	3	10
302	PATIL MANASI DIPAK	8	18	5	31
303	PATIL NAMRATA PRASHANT	7	9	6	22
304	PATIL PRANAVI SUBHASH	8	19	6	33
305	PATIL ROSHANI ANANDA	7	14	6	27
306	PATIL SANIKA SANJAY	9	19	8	36
307	PATIL SHREYASH KRISHNA	9	7	6	22
308	PATIL SIDDHESH DINKAR	9	14	6	29
309	PATIL SNEHAL SANJAY	7	11	6	24
310	PATIL SNEHAL SARJERAO	8	11	5	24
311	PATIL SUSHANT DNYANESHWAR	8	8	9	25
312	PATIL VAISHNAVI SANJAY	10	12	4	26
313	PAWAR RITESH BAJARANG	7	6	7	20
314	POWAR PRASAD SANJAY	9	4	7	20
315	PRAJVAL SOMARAYA DHANAGAR	7	7	5	19
316	PRAJWAL BABAN PATIL	8	11	8	27
317	RAHUL SANJAYKUMAR BHADARGADE	8	9	5	22
318	SALOKHE ADITYA SHANKAR	9	9	3	21
319	SARUDKAR SHREYA RAMESH	9	19	8	36
320	SAWANT MAYURI SHANTARAM	3	10	6	19
321	SAWANT SAMRUDDHI RAVIKANT				0
322	SHAIKH JUNED SHAKIL	7	9	9	25
323	SHITOLE PRANJALI RAMDAS	7	17	10	34
324	SOURABH VIJAY JADHAV	7	11	10	28
325	TEKALE POOJA KUBER	9	16	10	35
326	TILAWE SANIKA DHANAJI	10	19	9	38
327	TURKE ANIKET SURESH	4	8	7	19
328	VADAM RUTURAJ MARUTI	8	8	5	21
329	VHANKALI SUSHILKUMAR KIRAN	7	10	5	22
330	YADAV SNEHAL VILAS	8	17	8	33
331	KHARADE ATHARVA NITIN	9	10	0	19
332	PATIL HARSHVARDHAN NIVAS	4	7	4	15

CH

Dr. Babasaheb Ambedkar Technological University

Title
Student Marks
Exam Session
Summer Semester Examinations 2022
6315 / Sanjeevan Engineering and Technology Institute, Panhala
Course
11612 / 2017 / Bachelor of Technology (Mechanical Engineering)
Subject
BTBS202 / 2020 / Engineering Chemistry
Exported On
2022/09/22 16:16:32

Enrollment Number	Full Name	Continuous Assessment 1 Marks / 10 Template	Upload	Continuous Assessment 2 Marks / 10 Template	Upload	Mid Exam Marks / 20 Template	Upload
2163151612001	PATIL AMRUTA ASHOK	9		6		16	
2163151612002	PATIL ROHIT DNYANDEV	9		5		10	
2163151612003	CHAVAN SURAJ RANGRAO	9		5		9	
2163151612004	CHOUGALE ABHIJEET VITTHAL	9		10		6	
2163151612005	CHOUGULE SHUBHAM SHIVAJI	4		2		4	
2163151612006	GAIKWAD JITENDRA PRAMOD	9		6		10	
2163151612007	KUMBHAR OMKAR SANJAY	9		6		3	
2163151612008	PATIL OMKAR PRAKASH	3		4		8	
2163151612009	JADHAV SWAPNIL PANDURANG	2		1		12	
2163151612010	YADAV BHARAT JAYSING	9		7		8	

Dr. Babasaheb Ambedkar Technological University

Title
Student Marks

Exam Season
Summer Semester Examinations 2022

6315 / Sanjeevan Engineering and Technology Institute, Panhala

Course
11293 / 2017 / Bachelor of Technology (Electrical Engineering)

Subject
BTBS202 / 2020 / Engineering Chemistry

Exported On
2022/09/22 16:13:55

Enrollment Number	Full Name	Continuous Assessment 1 Marks / 10		Continuous Assessment 2 Marks / 10		Mid Exam Marks / 20	
		Template	Upload	Template	Upload	Template	Upload
2163151293001	GHATAGE PRADHUMNA PRAKASH	9		5		12	
2163151293002	PATIL KARTIK SANJAY	7		7		15	
2163151293003	PATIL RUTUJA RAJU	9		9		12	
2163151293004	LALE ASHWINI MANGESH	9		9		16	
2163151293005	SHETE JYOTI NAMDEV	9		9		16	
2163151293006	KAMBLE ADITYA ARJUN	9		8		16	
2163151293007	KAMBLE SUJATA PRALHAD	9		6		7	
2163151293008	PATIL YASH LAXMAN	9		7		11	
2163151293009	PATIL AVINASH MARUTI	8		8		8	
2163151293010	BIDKAR SANIKA BALASO	9		4		16	
2163151293011	PRASAD SONAM RAMESH	8		5		17	
2163151293012	PATIL PRATIK JOTIRAM	7		6		9	
2163151293013	BANGE RUSHIKESH NANDKUMAR	9		9		11	
2163151293014	PATIL SAURABH SURESH	9		7		14	
2163151293015	PATANKAR AKIB SHABBIR	9		4		13	
2163151293016	MHETAR SAURABH SARJERAO	9		7		17	

CHH.

Dr. Babasaheb Ambedkar Technological University

Title
Student Marks
Exam Session
Summer Semester Examinations 2022
Unit / Sanjeevan Engineering and Technology Institute, Panhala
Course
7000 / 2017 / Bachelor of Technology (Electrical Engineering)
Subject
BTBS307L / 2020 / Engineering Chemistry Lab
Published On
30/09/22 16:14:49

Enrollment Number	Full Name	Continuous Assessment 1 Marks / 30 Template Upload	Continuous Assessment 2 Marks / 30 Template Upload	Internal Practical Marks / 20 Template Upload	Practical Marks / 20 Template Upload
2163151293001	GHATAGE PRADHUMNA PRAKASH	24	30	10	12
2163151293002	PATIL KARTIK SANJAY	30	24	17	18
2163151293003	PATIL RUTUJA RAJU	24	24	16	15
2163151293004	LALE ASHWINI MANGESH	30	30	17	16
2163151293005	SHETE JYOTI NAMDEV	29	29	19	19
2163151293006	KAMBLE ADITYA ARJUN	30	30	14	15
2163151293007	KAMBLE SUJATA PRALHAD	24	24	16	15
2163151293008	PATIL YASH LAXMAN	30	24	16	15
2163151293009	PATIL AVINASH MARUTI	18	12	10	10
2163151293010	BIDKAR SANIKA BALASO	24	30	17	16
2163151293011	PRASAD SONAM RAMESH	24	24	19	18
2163151293012	PATIL PRATIK JOTIRAM	24	30	15	15

Enrollment Number	Full Name	Continuous Assessment 1 Marks / 30	Continuous Assessment 2 Marks / 30	Internal Practical Marks / 20	Practical Marks / 20
		Template Upload	Template Upload	Template Upload	Template Upload
2163151293013	BANGE RUSHIKESH NANDKUMAR	30	30	16	16
2163151293014	PATIL SAURABH SURESH	24	12	14	13
2163151293015	PATANKAR AKIB SHABBIR	30	30	16	15
2163151293016	MHETAR SAURABH SARJERAO	24	30	19	18

Subject Teacher

(Name and Signature)

HOD

(Name and Signature)

Principal/Director

(Name and Signature)

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur Pin- 416 201 (MS.)
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EN 6315
DEPARTMENT OF CIVIL ENGINEERING

NOTICE

CA -I

S.Y (SEM-IV)

Date –09/05/22

The **CA-I** test for S.Y scheduled on **18th May 2022**. In regard all the staff here by informed that , they have to submit their **CA-I** TEST question paper hard copy 2 set Exam co-ordinator on or **before 12th May 2022**till 4 pm, otherwise they have to make Xerox set with number of student & submit to Exam co-ordinator

Prof. A. C. Thoke

Exam co-ordinator

Prof. J.S. Mevekari

H.O.D Civil

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

1 EPS

2 SSC

3 AND –

4 AMM

5 JJG –

6 SMS

Holy-wood Academy, Kolhapur's
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Sanjeevan Knowledge City, Somwar Peth, Tal. Panhala, Dist. Kolhapur Pin-416 201 (MS.)
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DEPARTMENT OF CIVIL ENGINEERING

EN 6315

CA-I TIME TABLE 2021-2022		
DATE	**TIME**	**S.Y.**
18/05/22	10:00AM To 10.30AM	SM-I
	10:40AM To 11:10AM	HYD-II
	11:20AM To 11:50AM	WRE
	12:00 To 12:30PM	EE
	2:15PM To 2:45PM	EG
	3:00PM To 3:30PM	BPD

Dept. Exam. Incharge

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

EPS -

AND -

SSC -

AMM -

SMS -

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Tigole, Panhala, Tal. Panhala, Dist. Kolhapur Pin- 416 201 (MS.)
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EN 6315

DEPARTMENT OF CIVIL ENGINEERING

CA-I TIME TABLE 2021-2022			
SEATING ARRANGEMENT			
DATE	**CLASS**	**A106**	**A103 (DH)**
18/05/22	S.Y.	1 To 35	36 To 70

Dept. Exam. Incharge

HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur, (416 201)

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth- Inpole, Panhala, Tal. Panhala, Dist. Kolhapur Pin- 416 201 (MS.)
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EN 6315

CA-I (S.Y.) TIME TABLE 2021-2022
SUPERVISION CHART

DATE	TIME	A106	A108 (DH)
18/05/22	10:00AM To 10.30AM	Prof. Chavan S.S.	Prof. Gavade J.J.
	10:40AM To 11:10AM	Prof. Chavan S.S.	Prof. Gavade J.J.
	11:20AM To 11:50AM	Prof. Salokhe E.P.	Prof. Dhende A. N.
	12:00 To 12:30PM	Prof. Salokhe E.P.	Prof. Dhende A. N.
	2:15PM To 2:45PM	Prof. Chavan S.S.	Prof. Dhende A. N.
	3:00PM To 3:30PM	Prof. Salokhe E.P.	Prof. Shinde S.M.

Dept.Exam. Incharge

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AND -
SSC - Chavan
AMM -
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SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA

DEPARTMENT OF CIVIL ENGINEERING

C. A. 1

Class – Second Year B. Tech Civil Subject – Building Planning and Drawing (BTCVC 401) Marks -10

Date – 18 /05 /2022 Time – 03:00 am to 03:30 am

Name of Student: Roll No. PRN No.

Instructions: – 1. All questions are compulsory.
2. Write option of answer in Ans column

Q. No	Question	Ans	CO	PO	MI
1	_____ is the built-up covered area of a building measured at floor level of any story. a) Covered area b) Carpet area c) Total area d) Plinth area		1	1	
2	_____ area of a building is the area of verandahs, passage, corridors, balconies, porches, etc. a) Floor area b) Horizontal circulation area c) Vertical circulation area d) Verandah area		1	1	
3	_____ of building is the useful area or liveable area or lettable area. This is the total floor area minus the circulation area, verandahs, corridors, passages, staircase, lifts, entrance hall, etc. minus other non-useable areas. a) Plinth area b) Floor area c) Carpet area d) Circulation area		1	1	
4	The placing of various rooms or units of a structure in proper correlation of their functions and in due proximity with each other is known as _____ a) Aspect b) Prospect c) Circulation d) Grouping		1	1	
5	What is the level below window called? a) Pane level b) Lintel level c) Sill level d) Plinth level		1	1	
6	Which is not a type of building? a) Educational Building b) Mercantile Building c) Institutional Building d) Domestic building		1	1	
7	Which is not included in building codes? a) Mechanical integrity b) Safety c) Providing employment d) Structural integrity		1	1	
8	Which among the following is not a principle of planning?* a) Furniture requirements b) Aspect c) Prospect d) Respect		1	1	
9	Green building practices include a) Only energy efficiency. b) Only recycled materials c) Only Environmental Protection d) All of these		1	1	
10	Residential building includes c) Bungalows b) Apartments d) Row Housings d) All of above		1	1	

Holy-wood Academy's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA

DEPARTMENT OF CIVIL ENGINEERING

C. A. 1

Class – Second Year B. Tech Civil Subject – Building Planning and Drawing (BTCVC 401) Marks -10

Date – 18 /05 /2022 Time – 03:00 am to 03:30 am

Name of Student: Roll No. PRN No.

Instructions: – 1. All questions are compulsory.
2. Write option of answer in Ans column

Answer Solution

Q. No	Question	Ans	CO	PO	MI
1	_____ is the built-up covered area of a building measured at floor level of any story. a) Covered area b) Carpet area c) Total area d) Plinth area	D	1	1	
2	_____ area of a building is the area of verandahs, passage, corridors, balconies, porches, etc. a) Floor area b) Horizontal circulation area c) Vertical circulation area d) Verandah area	B	1	1	
3	_____ of building is the useful area or liveable area or lettable area. This is the total floor area minus the circulation area, verandahs, corridors, passages, staircase, lifts, entrance hall, etc. minus other non-useable areas. a) Plinth area b) Floor area c) Carpet area d) Circulation area	C	1	1	
4	The placing of various rooms or units of a structure in proper correlation of their functions and in due proximity with each other is known as _____ a) Aspect b) Prospect c) Circulation d) Grouping	D	1	1	
5	What is the level below window called? a) Pane level b) Lintel level c) Sill level d) Plinth level	C	1	1	
6	Which is not a type of building? a) Educational Building b) Mercantile Building c) Institutional Building d) Domestic building	D	1	1	
7	Which is not included in building codes? a) Mechanical integrity b) Safety c) Providing employment d) Structural integrity	C	1	1	
8	Which among the following is not a principle of planning?* a) Furniture requirements b) Aspect c) Prospect d) Respect	D	1	1	
9	Green building practices include a) Only energy efficiency. b) Only recycled materials c) Only Environmental Protection d) All of these	D	1	1	
10	Residential building includes a) Bungalows b) Apartments b) Row Housings d) All of above	D	1	1	

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DEPARTMENT OF CIVIL ENGINEERING

NOTICE

CA-I

(T.Y.&B.Tech.)

Date –05/04/22

The CA-I test for T.Y. and B.Tech. is scheduled between 11th April 2022. In this regard all the staff are here by informed that , they have to submit their CA-I TEST question paper in prescribed format(hard copy 2 set) to Exam co-ordinator on or **before 8th April 2022** till 4 pm, otherwise they have to make Xerox set with number of student & submit to exam co-ordinator.

Prof. A. C. Thoke
Exam co-ordinator

Prof. J. S. Mevekari
H.O.D. Civil

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DEPARTMENT OF CIVIL ENGINEERING

CA-I TIME TABLE 2021-2022			
DATE	**TIME**	**T.E.**	**B.E.**
11/04/22	10:00AM To 10.30AM	DCS-I	MROCS
	10:40AM To 11:10AM	FE	RSE
	11:20AM To 11:50AM	PM	-
	12:00 To 12:30PM	WWT	-
	2:15PM To 2:45PM	CT	-
	3:00PM To 3:30PM	BPD	-

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DEPARTMENT OF CIVIL ENGINEERING

CA-I TIME TABLE 2021-2022
SEATING ARRANGEMENT

DATE	CLASS	A106	A107	A108	A103(DH)
11/04/22	T.Y.	-	1 To 35	36 To 62	-
	B.Tech.	1 To 35	-	-	36 To 73

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DEPARTMENT OF CIVIL ENGINEERING

CA-I TIME TABLE 2021-2022

SUPERVISION CHART

DATE	TIME	A106	A107	A108	A103(DH)
11/04/22	10:00AM To 10.30AM	Prof. Momin A.M.	Prof. Shinde S.M.	Prof. Dhende A. N.	Prof. Gavade J.J.
	10:40AM To 11:10AM	Prof. Chavan S.S.	Prof. Momin A.M.	Prof. Shinde S.M.	Prof. Dhende A. N.
	11:20AM To 11:50AM	-	Prof. Salokhe E.P.	Prof. Gavade J.J.	-
	12:00 To 12:30PM	-	Prof. Shinde S.M.	Prof. Dhende A. N.	-
	2:15PM To 2:45PM	-	Prof. Chavan S.S.	Prof. Salokhe E.P.	-
	3:00PM To 3:30PM	-	Prof. Salokhe E.P.	Prof. Momin A.M.	-

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DEPARTMENT OF CIVIL ENGINEERING

C.A.I

Class – T.Y. B. Tech Civil Subject: Design of Concrete Structure-I (BTCVC601) Marks -10

Date – 11/04 /2022 Time – 10.00 to 10.30 am

Name of Student : Roll No. PRN No.

Instructions : – 1. All questions are compulsory.
2. Use of non-programmable calculators is permitted.
3. Write option of answer in Ans column

Q.No	Question	Ans	CO	PO	Mks
1.	1)The shape of stress strain curve for concrete as prescribed by IS 456 is A) a) Rectangular b) Parabolic c) Rectangular Parabolic d) None of these	c	1	1	1
2.	2)An RCC beam can have maximum tension reinforcement as: a) 6 % bD b) 2 % bD c) 4 % bD d) 3 % bD	c	1	1	1
3.	In a single reinforced beam, if the permissible stress in concrete reaches earlier than that in steel, the beam section is called (a)Under reinforced section (b)Economic section (c)Over reinforced section (d)Critical section	c	1	1	1
4.	Partial factor of safety for concrete and steel respectively may be taken as a) 1.5 and 1.78 b) 3 and 1.78 c) 1.5 and 1.15 d) 3 and 1.2	c	1	1	1
5.	The characteristic strength of concrete in the actual structure is taken as a) fck b) 0.85 fck c) 0.67 fck d) 0.447 fck	c	1	1	1
6.	In limit state of collapse against flexure, the maximum strain in tension reinforcement at failure shall not be less than (a)**0. 002** (b)**0. 002** + fy/Es (c)**0. 002** + fy/1.15Es (d)**0. 002** + fy/0.87Es	c	1	1	1
7.	The characteristic strength of concrete is defined as that compressive strength below which NOT more than (a)2% of results fall (b)10% of results fall (c)5% of results fall (d)None of these	c	1	1	1
8.	8)partial safety for concrete and steel are 1.5 and 1.15 respectively, because a)Concrete is heterogeneous while steel is homogeneous (b)Concrete is weak in tension (c)The control on the quality of concrete is not as good as that of steel (d)Voids in concrete are 0.5% while those in steel are 0.15%	c	1	1	1
9.	9)The modulus of elasticity of concerete (**in N/mm²**) can be assumed as follows where fck is the characteristic cube compressive strength of concrete(**in N/mm²**) (a)**4000** fck (b)**2000** fck (c)**5000** fck (d)**3000** fck	c	1	1	1
10.	The tensile strength of concrete to be used in the design of reinforced concrete members is (a)**0. 2** fck (b)**0. 1** fck (c)0 (d)**0. 7** fck	c	1	1	1

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C.A.1

Class – B. Tech Civil | Subject – Remote Sensing Essentials (BTCESS802C) | Marks -10

Date – 11 /04/2022 | Time – 10.40 to 11.10am

Name of Student: Roll No. PRN No.

Instructions : – 1. All questions are compulsory. 2. Use of non-programmable calculators is permitted.
3. Write option of answer in Ans column

Q. No	Question	Ans	CO	PO	Mks
1.	**Remote sensing techniques make use of the properties of _____ emitted; reflected or diffracted by the sensed objects.** A) sonar waves B) sound waves C) electromagnetic waves D) wind waves	C			1
2.	**Which of the following is not a principle of remote sensing?** A) Interaction of energy with satellite B) Electromagnetic energy C) Electro-magnetic spectrum D) Interaction of energy with atmosphere	A			1
3.	**The point just vertically below the observer's position, in celestial sphere is called_____.** A) celestial point B) Nadir C) Zenith D) Pole	B			1
4.	**The system that uses the Sun as a source of electromagnetic energy and records the naturally radiated and reflected energy from the object is called..** A) Geographical Information System B)Global Positioning System C) Passive Remote Sensing C) Active Remote Sensing	C			1
5.	**The relation between velocity, wavelength and frequency can be given as___** A) $C = v + \lambda r$ B) $C = \lambda / v$ C) $C = v * \lambda$ D) $\lambda = 1 / \lambda v$	C			1
6.	**Which of the following is not a classification of scattering principle?** A) Faraday scattering B) Rayleigh scattering C) Mie scattering D) Non-selective scattering	A			1
7.	**Polar orbiting satellites are generally placed at an altitude range of _____** A) 7-15km B) 7000-15000km C) 700-1500km D) 70-150km	C			1
8.	**Which one of the following frequency regions is a part of su''s radiation?** A) Visible frequency region B) Radio frequency region C) Infrared frequency region D) All of the above	D			1
9.	**The spectral region of the electromagnetic radiation which passes through the atmosphere without much attenuation is known as:** A) Ozone hole B) Atmospheric window C) Ozone window D) Black hole	B			1
10.	**A perfectly black body :** A) emits power of every wave length B) is a diffuse emitter C) absorbs all the radiations of every wave lengths D)All the above	D			1

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NOTICE

CA-I

S.Y. (SEM-III)

Date –08/01/22

The **CA-I** test for all students is scheduled on **10th January 2022**. In this regard all the staff here by informed that, they have to prepare **CA-I** question paper in the **Google form**

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NOTICE

CA -I

S.Y (SEM-III)

Date –3/01/22

The **CA-I** test for S.Y scheduled on **10th January 2022**. In regard all the staff here by informed that , they have to submit their **CA-I** TEST question paper hard copy 2 set Exam co-ordinator on or **before 8th January 2022**till 4 pm, otherwise they have to make Xerox set with number of student & submit to Exam co-ordinator

Prof. A. C. Thoke
Exam co-ordinator

1 EPS
2 SSC – Bhavan
3 AND –
4 AMM
5 NAGK –

Prof. J.S. Mevekari
H.O.D Civil

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CA-I TIME TABLE 2021-2022		
DATE	**TIME**	**S.Y.**
10/01/22	9:30AM To 10.30AM	BCD
	10:30AM To 11:30AM	MOS
	11:45AM To 12:45PM	M-III
	12:45PM To 1:45PM	HY-I
	2:30PM To 3:30PM	SUR-I

Dept.Exam. Incharge

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CA-I TIME TABLE 2021-2022
SUPERVISION CHART

DATE	TIME	A106	A103(DH)
10/01/22	9:30AM To 10.30AM	Prof. Dhende A. N.	Prof. Mevekari J.S.
	10:30AM To 11:30AM	Prof. Mevekari J.S.	Prof. Salokhe E.P.
	11:45AM To 12:45PM	Prof. Khan Na.G.	Prof. Momin A.M.
	12:45PM To 1:45PM	Prof. Momin A.M.	Prof. Gavade J.J.
	2:30PM To 3:30PM	Prof. Salokhe E.P.	Prof. Dhende A. N.

Dept.Exam. Incharge

Mevekari
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CA-I TIME TABLE 2021-2022			
SEATING ARRANGEMENT			
DATE	**CLASS**	**A106**	**A103(DH)**
10/01/22	S.Y.	1 To 35	36 To 69

Dept.Exam. Incharge

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NOTICE

CA-I

(T.Y.&B.Tech.)

Date –13/10/21

The CA-I test for T.Y. and B.Tech. is scheduled between 25th October 2021. In this regard all the staff are here by informed that , they have to submit their CA-I TEST question paper in prescribed format(hard copy 2 set) to Exam co-ordinator on or **before 21th October 2021** till 4 pm, otherwise they have to make Xerox set with number of student & submit to exam co-ordinator.

Prof. A. C. Thoke
Exam co-ordinator

Prof. J. S. Mevekari
H.O.D. Civil

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CA-I TIME TABLE 2021-2022			
DATE	**TIME**	**T.E.**	**B.E.**
25/10/21	10:00AM To 10.30AM	DSS	DCS-II
	10:40AM To 11:10AM	SM-II	PP
	11:20AM To 11:50AM	SM	IE
	12:00 To 12:30PM	EE-I	WRE
	2:15PM To 2:45PM	TRE	CT
	3:00PM To 3:30PM	MTE	EQ

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CA-I TIME TABLE 2021-2022					
SEATING ARRANGEMENT					
DATE	**CLASS**	**A106**	**A107**	**A108**	**A103(DH)**
25/10/21	T.Y.	1 To 35	36 To 62	-	-
	B.Tech.	-	-	1 To 35	36 To 73

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CA-I TIME TABLE 2021-2022

SUPERVISION CHART

DATE	TIME	A106	A107	A108	A103(DH)
25/10/21	10:00AM To 10.30AM	Prof. Dhende A. N.	Prof. Shinde P.S.	Prof. Momin A.M.	Prof. Gavade J.J.
	10:40AM To 11:10AM	Prof. Shinde P.S.	Prof. Momin A.M.	Prof. Chavan S.S.	Prof. Dhende A. N.
	11:20AM To 11:50AM	Prof. Momin A.M.	Prof. Chavan S.S.	Prof. Shinde P.S.	Prof. Gavade J.J.
	12:00 To 12:30PM	Prof. Chavan S.S.	Prof. Dhende A. N.	Prof. Momin A.M.	Prof. Gavade J.J.
	2:15PM To 2:45PM	Prof. Dhende A. N.	Prof. Shinde P.S.	Prof. Gavade J.J.	Prof. Momin A.M.
	3:00PM To 3:30PM	Prof. Gavade J.J.	Prof. Shinde P.S.	Prof. Dhende A. N.	Prof. Chavan S.S.

Dept Exam. Incharge

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1. AND -
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DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,LONERE

Course: B. Tech in CIVIL Engineering **CA I – OCT 2021** **Class: T.Y.B.Tech**
Subject Name: SOIL MECHANICS **Subject Code: BTCVC 503**
Max Marks: 10 **Date:- 25 /10 /2021** 11:20 to 11:50 **Duration:- 30 min.**

Instructions to the Students:

1. *All questions are compulsory.*
2. *Figures to right indicate full marks*
3. *Assume suitable data whenever necessary.*

Q. No.	QUESTIONS	(Level/ CO)	Marks
1)	For engineering purposes, soil is defined as... a) The loose mantle at the surface of the earth which favours the growth of plant. b) A natural aggregate of mineral grains, loose or moderately cohesive, inorganic or organic in nature. c) A disintegrated rock. d) All of the above.	CO 1	1
2)	Silt is a..... a) material deposited by a glacier b) soil composed of two different soils c) fine grained soil with Little or no plasticity d) Clay with a high percentage of the clay mineral.	CO 1	1
3)	The ratio of the volume of voids to the total volume of soil mass is called? a) water content b) porosity c) void ratio d) degree of saturation	CO 1	1
4)	The relation between porosity (n) and void ratio (e) is given by a) $n = (1+e)/e$ b) $n = e/(1+e)$ c) $e = n/(1-n)$ d) $e = (1-n)/n$	CO 1	1
5)	The degree of saturation for fully saturated soil is a) 0.25 b) 0.5 c) 0.75 d) 1	CO 1	1
6)	The relation between void ratio (e) degree of saturation (s), water content (w) and specific gravity of solids (G) is given by a) $e+s = w+G$ b) $e\,s = w\,G$ c) $e-s = w-G$ d) $e\,w = s\,G$	CO 1	1
7)	A soil sample is having a specific gravity of 2.60 and void ratio 0.78. The water content in percentage required to fully saturate the soil at that void ratio would be a) 10 b) 30 c) 50 d) 70	CO 1	1
8)	If a soil sample is having porosity 40% and degree of saturation 80%, then its percentage air voids is a) 5 b) 6 c) 7 d) 8	CO 1	1

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C.A.1

Class – Third Year B. Tech Civil Subject – Environmental Engineering (BTCVC504) Marks -10

Date – 25 /10 /2021 Time – 12.00 to 12.30 pm

Name of Student : Roll No. PRN No.

Instructions : – 1. All questions are compulsory. 2. Use of non-programmable calculators is permitted.

3. Write option of answer in Ans column

Q.No	Question	Ans	CO	PO	Mks
1.	In which method of population forecasting, increase in population from decade to decade is assumed constant? A) Arithmetical increase method B) Geometrical increase method C) Incremental increase method D) Decreased rate of growth		1	1	1
2.	What are the factors affecting per capita demand? A) Size of city B) Size of city, habit of people C) Cost of water, quality of water, size of city D) Cost of water, quality of water, size of city, habit of people		1	1	1
3.	The average quantity of water (in lpcd) required for domestic purposes according to IS code is _____ A) 100 B) 120 C) 70 D) 135		1	1	1
4.	_____ valve allows water to flow in one direction only. A) Air relief valve B) Sluice valve C) Reflux valve D) Altitude valve		1	1	1
5.	The time period for which the water is stored in a sedimentation tank is called _____ A) Time of flow B) Frequency of flow C) Settling time D) Detention period		1	1	1
6.	Water lost in thef, pipes,water system and waste contributes to how much % of total consumption? A) 5 B) 10 C) 15 D) 20		1	1	1
7.	Identify the correct relation between the following? A) Dissolved solid = Total solid + Suspended solid B) Dissolved solid = Total solid – Suspended solid C) Total solid = Dissolved solid / Suspended solid D) Dissolved solid = Suspended solid – Total solid		1	1	1
8.	What is formed when coagulant is added to water? A) Scum B) Soap C) Bubbles D) Floc		1	1	1
9.	The devices which are installed for drawing water from the sources are called A)Aquifers B)Aquiclude C) Intakes structure D) Filters		1	1	1
10.	The reduction of carbon dioxide by cascade aerators is in the range of _____ A) 10-20% B) 20-30% C) 40-50% D) 50-60%		1	1	1

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NOTICE

CA-I Improvement Test

T.Y. and B.Tech. (SEM- V, VII)

Date –25/01/22

The **CA-I Improvement Test** for all students is scheduled on **29th January 2022**. In this regard all the staff here by informed that, they have to prepare **CA-I Improvement Test** question paper in the **Google form**

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CA-I Improvement Test TIME TABLE 2021-2022			
DATE	**TIME**	**T.Y.**	**B.Tech.**
29/01/22	10:00AM To 10.30AM	DSS	DCS-II
	10:40AM To 11:10AM	SM-II	PP
	11:20AM To 11:50AM	SM	IE
	12:00 To 12:30PM	EE-I	WRE
	2:15PM To 2:45PM	TRE	CT
	3:00PM To 3:30PM	MTE	EQ

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NOTICE

CA-II

(S.Y.&T.Y.)

Date –27/06/22

The CA-II test for S.Y. and T.Y. is scheduled between 05th July 2022. In this regard all the staff are here by informed that , they have to submit their CA-II TEST question paper in prescribed format(hard copy 2 set) to Exam co-ordinator on or **before 30th July 2022** till 4 pm, otherwise they have to make Xerox set with number of student & submit to exam co-ordinator.

Prof. A. C. Thoke
Exam co-ordinator

Prof. J. S. Mevekari
H.O.D. Civil

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5 AND
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CA-II TIME TABLE 2021-2022			
DATE	**TIME**	**S.Y.**	**T.Y.**
05/07/22	10:00AM To 10.30AM	SM-I	DCS-I
	10:40AM To 11:10AM	HYD-II	FE
	11:20AM To 11:50AM	WRE	PM
	12:00 To 12:30PM	EE	WWT
	2:15PM To 2:45PM	EG	CT
	3:00PM To 3:30PM	BCD	BPD

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CA-II TIME TABLE 2021-2022
SUPERVISION CHART

DATE	TIME	A106	A107
05/07/22	10:00AM To 10.30AM	Prof. Salokhe E.P.	Prof. Dhende A. N.
	10:40AM To 11:10AM	Prof. Shinde S.M.	Prof. Momin A.M.
	11:20AM To 11:50AM	Prof. Momin A.M.	Prof. Chavan S.S.
	12:00 To 12:30PM	Prof. Chavan S.S.	Prof. Gavade J.J.
	2:15PM To 2:45PM	Prof. Dhende A. N.	Prof. Shinde S.M.
	3:00PM To 3:30PM	Prof. Gavade J.J.	Prof. Salokhe E.P.

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CA-II TIME TABLE 2021-2022			
SEATING ARRANGEMENT			
DATE	CLASS	A106	A107
05/07/22	S.Y.	1 To 35	36 To 71
	T.Y.	1 To 35	36 To 62

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DEPARTMENT OF CIVIL ENGINEERING

C. A. 2

Class – Second Year B. Tech Civil Subject – Building Planning and Drawing (BTCVC 401) Marks -10

Date – 05 /07 /2022 Time – 03:00 am to 03:30 am

Name of Student: Roll No. PRN No.

Instructions: – 1. All questions are compulsory.
2. Write option of answer in Ans column

Q. No	Question	Ans	CO	PO	Mks
1	The term _____ is used to mean the free passage of clean air in a structure. a) Circulation b) Ventilation c) Dissipation d) Condensation		1	1	
2	It is quite evident that the incoming air for ventilation should be _____ in summer and _____ in winter before it enters the room. a) cool, warm b) warm, cool c) humid, dry d) dry, humid		1	1	
3	In _____ system, the use is made of doors, windows, ventilators and skylights to make the room properly ventilated. a) Artificial ventilation b) Natural ventilation c) Air conditioning d) Mechanical ventilation		1	1	
4	Exhaust system, supply system, air conditioning, etc. comes under _____ type of ventilation system. a) Natural b) Mechanical c) Man made d) Doors		1	1	
5	One pipe system is cheaper than the single stack system for the drainage of buildings. a) True b) False		1	1	
6	Which pipe is mostly used for carrying cold water? a) Copper pipe b) Steel pipe c) PVC pipe d) Lead pipe		1	1	
7	Which pipe is used for carrying cold and hot water? a) Poly propylene b) Poly propylene random co-polymer c) High density poly ethylene d) Low density poly ethylene		1	1	
8	State the two advantages of PVC pipes? a) Durable and corrosion free b) Durable and economical c) Light weight and economical d) Light weight & corrosion free		1	1	
9	Green building practices include a) Only energy efficiency. b) Only recycled materials c) Only Environmental Protection d) All of these		1	1	
10	Which of the following is not the purpose of a green building? a) To reduce use of water b) To minimize damage a) c) Re-use of waste materials d) None of the above		1	1	

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DEPARTMENT OF CIVIL ENGINEERING

C. A. 2

Class – Second Year B. Tech Civil Subject – Building Planning and Drawing (BTCVC 401) Marks -10

Date – 05 /07 /2022 Time – 03:00 am to 03:30 am

Name of Student: Roll No. PRN No.

Instructions: – 1. All questions are compulsory.
2. Write option of answer in Ans column

Answer Solution

Q. No	Question	Ans	CO	PO	Mks
1	The term _____ is used to mean the free passage of clean air in a structure. a) Circulation b) Ventilation c) Dissipation d) Condensation	B	1	1	
2	It is quite evident that the incoming air for ventilation should be _____ in summer and _____ in winter before it enters the room. a) cool, warm b) warm, cool c) humid, dry d) dry, humid	A	1	1	
3	In _____ system, the use is made of doors, windows, ventilators and skylights to make the room properly ventilated. a) Artificial ventilation b) Natural ventilation c) Air conditioning d) Mechanical ventilation	B	1	1	
4	Exhaust system, supply system, air conditioning, etc. comes under _____ type of ventilation system. a) Natural b) Mechanical c) Man made d) Doors	B	1	1	
5	One pipe system is cheaper than the single stack system for the drainage of buildings. a) True b) False	B	1	1	
6	Which pipe is mostly used for carrying cold water? a) Copper pipe b) Steel pipe c) PVC pipe d) Lead pipe	C	1	1	
7	Which pipe is used for carrying cold and hot water? a) Poly propylene b) Poly propylene random co-polymer c) High density poly ethylene d) Low density poly ethylene	B	1	1	
8	State the two advantages of PVC pipes? a) Durable and corrosion free b) Durable and economical c) Light weight and economical d) Light weight & corrosion free	D	1	1	
9	Green building practices include a) Only energy efficiency. b) Only recycled materials c) Only Environmental Protection d) All of these	D	1	1	
10	Which of the following is not the purpose of a green building? a) To reduce use of water b) To minimize damage c) Re-use of waste materials d) None of the above	D	1	1	

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NOTICE

CA-II

(Final Year B.Tech.)

Date –20/06/22

The CA-II test Final Year B.Tech. is scheduled between 27th June 2022. In this regard all the staff are here by informed that , they have to submit their CA-II TEST question paper in prescribed format(hard copy 2 set) to Exam co-ordinator on or **before 24th June 2022** till 4 pm, otherwise they have to make Xerox set with number of student & submit to exam co-ordinator.

Prof. A. C. Thoke
Exam co-ordinator

Prof. J. S. Mevekari
H.O.D. Civil

1 EPS

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CAII TIME TABLE 2021-2022		
DATE	**TIME**	**B.TECH.**
27/06/22	10:00AM To 10.30AM	MROCS
	11:00AM To 11:30AM	RSE

Dept Exam. Incharge

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CAII (B.Tech.) TIME TABLE 2021-2022			
SUPERVISION CHART			
DATE	**TIME**	**A106**	**A103(DH)**
27/06/22	10:00AM To 10.30AM	Prof. Momin A.M.	Prof. Gavade J.J.
	11:00AM To 11:30AM	Prof. Momin A.M.	Prof. Shinde S.M.

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AMM - [signature]

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CAII (B.Tech.)TIME TABLE 2021-2022			
SEATING ARRANGEMENT			
DATE	**CLASS**	**A106**	**A103(DH)**
27/06/2022	B.Tech.	1 To 35	36 To 73

Dept.Exam. Incharge

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DEPARTMENT OF CIVIL ENGINEERING

C.A.2

Class – B. tech Civil

Date – 27/06/2022

Name of Student :

Roll No. PRN No.

Subject – Repair and maintenance of concrete structure Marks -10

Time –10.00 to 10.30 am

Instructions: – 1. All questions are compulsory. 2. Write option of answer in Ans column

Q.No	Question	Ans	CO	PO	Mks
1.	**Presence of drip edges in building components prevents the water infiltration due** a. Surface tension b. Capillary actions c. Gravity actions d. Air current				1
2.	**Following is not system to prevent water leakage** a. Barrier b. Drainage c. Diversion d. Water sink				1
3.	**Weep holes provide an opening allows the drainage of any moisture that may come from back of wall through penetration, leakage or capillary action?** a. True b. False				1
4.	**Brick bat coba is used for waterproofing of** a. Terrace slab b. Retaining wall c. External wall d. Floor slab				1
5.	**Chlorinated Rubber Coatings is used in wet atmospheres for both steel and concrete substrates** a. True b. False				1
6.	**Epoxy Coatings is used in** a. Chemical atmospheres c.dry atmospheres b. Wet atmospheres d. None of the above				1
7.	**In Nuclear power plant following type of coating is commonly used** a. Epoxy coating b. Polyurethane Coatings c. Zinc Coatings d. Alkyd Coatings				1
8.	**In sacrificial anode cathode protection method -----is used as anode** a. Zinc b. Steel c. Concrete d. None of these				1
9.	**In electrochemical chloride extraction ---------ions brought below threshold limit** a. Chloride b. Sulpher c. Carbon d. None of these				1
10.	**Electrochemical realkalization is used to stop --------- corrosion** a. Carbon induced corrosion b. Chloride induced corrosion c. Sulpher induced corrosion d. None of these				1

Answer key

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SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA

DEPARTMENT OF CIVIL ENGINEERING

C.A.2

Class – B. tech Civil
Date – 27/06/2022
Name of Student :
Roll No. PRN No.

Subject – Repair and maintenance of concrete structure Marks -10
Time –10.00 to 10.30 am

Instructions: – 1. All questions are compulsory. 2. Write option of answer in Ans column

Q.No	Question	Ans	CO	PO	Mks
1.	**Presence of drip edges in building components prevents the water infiltration due** a. Surface tension b. Capillary actions c. Gravity actions d. Air current	A			1
2.	**Following is not system to prevent water leakage** a. Barrier b. Drainage c. Diversion d. Water sink	D			1
3.	**Weep holes provide an opening allows the drainage of any moisture that may come from back of wall through penetration, leakage or capillary action?** a. True b. False	A			1
4.	**Brick bat coba is used for waterproofing of** a. Terrace slab b. Retaining wall c. External wall d. Floor slab	A			1
5.	**Chlorinated Rubber Coatings is used in wet atmospheres for both steel and concrete substrates** a. True b. False	A			1
6.	**Epoxy Coatings is used in** a. Chemical atmospheres c.dry atmospheres b. Wet atmospheres d. None of the above	A			1
7.	**In Nuclear power plant following type of coating is commonly used** a. Epoxy coating b. Polyurethane Coatings c. Zinc Coatings d. Alkyd Coatings	A			1
8.	**In sacrificial anode cathode protection method -----is used as anode** a. Zinc b. Steel c. Concrete d. None of these	A			1
9.	**In electrochemical chloride extraction ---------ions brought below threshold limit** a. Chloride b. Sulpher c. Carbon d. None of these	A			1
10.	**Electrochemical realkalization is used to stop --------- corrosion** a. Carbon induced corrosion b. Chloride induced corrosion c. Sulpher induced corrosion d. None of these	A			1

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NOTICE

CA-II Test

S.Y. (SEM- III)

Date –14/02/22

The **CA-II Test** for all students is scheduled on **18th February 2022**. In this regard all the staff here by informed that, they have to prepare **CA-II Test** question paper in the **Google form**

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DEPARTMENT OF CIVIL ENGINEERING

CA-II TEST TIME TABLE 2021-2022

DATE	TIME	S.Y.
18/02/22	9:30AM To 10.30AM	SUR-I
	10:30AM To 11:30AM	MOS
	11:45AM To 12:45PM	M-III
	12:45PM To 1:45PM	HY-I
	2:30PM To 3:30PM	BCD

Dept. Exam. Incharge

HOD
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DEPARTMENT OF CIVIL ENGINEERING

NOTICE

CA-II

T.Y. and B.Tech. (SEM- V, VII)

Date –12/01/22

The CA-II test for all students is scheduled on **20th January 2022**. In this regard all the staff here by informed that, they have to prepare **CA-II** question paper in the **Google form**

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ACT -
AND -
EPS -
AMM -
JJS -

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DEPARTMENT OF CIVIL ENGINEERING

NOTICE

CA-II

(T.Y.&B.Tech.)

Date –04/01/22

The CA-II test for T.Y. and B.Tech. is scheduled on **12th January2022**. In this regard all the staff are here by informed that , they have to submit their CA-II TEST question paper in prescribed format(hard copy 2 set) to Exam co-ordinator on or **before 8th January 2022** till 4 pm, otherwise they have to make Xerox set with number of student & submit to exam co-ordinator.

Prof. A. C. Thoke
Exam co-ordinator

Prof. J. S. Mevekari
H.O.D. Civil

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1 EPS –
2 SSC -
3 AND
4 AMM
5 PSS
6 JJG –

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DEPARTMENT OF CIVIL ENGINEERING

CA-II TIME TABLE 2021-2022			
DATE	**TIME**	**T.E.**	**B.E.**
12/01/22	10:00AM To 10.30AM	DSS	DCS-II
	10:40AM To 11:10AM	SM-II	PP
	11:20AM To 11:50AM	SM	IE
	12:00 To 12:30PM	EE-I	WRE
	2:15PM To 2:45PM	TRE	CT
	3:00PM To 3:30PM	MTE	EQ

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JJJ -
PSS -
AMM -
SEC -
AND -

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CA-II TIME TABLE 2021-2022
SUPERVISION CHART

DATE	TIME	A106	A107	A108	A103(DH)
12/01/22	10:00AM To 10.30AM	Prof. Dhende A. N.	Prof. Salokhe E.P.	Prof. Momin A.M.	Prof. Gavade J.J.
	10:40AM To 11:10AM	Prof. Salokhe E.P.	Prof. Momin A.M.	Prof. Chavan S.S.	Prof. Dhende A. N.
	11:20AM To 11:50AM	Prof. Momin A.M.	Prof. Chavan S.S.	Prof. Salokhe E.P.	Prof. Gavade J.J.
	12:00 To 12:30PM	Prof. Chavan S.S.	Prof. Dhende A. N.	Prof. Momin A.M.	Prof. Gavade J.J.
	2:15PM To 2:45PM	Prof. Dhende A. N.	Prof. Salokhe E.P.	Prof. Gavade J.J.	Prof. Momin A.M.
	3:00PM To 3:30PM	Prof. Gavade J.J.	Prof. Salokhe E.P.	Prof. Dhende A. N.	Prof. Chavan S.S.

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CA-II TIME TABLE 2021-2022
SEATING ARRANGEMENT

DATE	CLASS	A106	A107	A108	A103(DH)
12/01/22	T.Y.	1 To 35	36 To 62	-	-
	B.Tech.	-	-	1 To 35	36 To 73

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JJK -
AMM -
SSC -
AMD -

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DEPARTMENT OF CIVIL ENGINEERING

NOTICE

MID TERM EXAM

S.Y (SEM-IV)

Date –06/06/22

The **Mid-term exam** test for S.Y scheduled on **10th June 2022to 11th June 2022.** In regard all the staff here by informed that , they have to submit their **Mid-term exam** TEST question paper hard copy 2 set Exam co-ordinator on or **before 8h June 2022**till 4 pm, otherwise they have to make Xerox set with number of student & submit to Exam co-ordinator

Prof. A. C. Thoke

Exam co-ordinator

1 EPS

2 SSC

3 AND

4 AMM

5 JJG

6 SMS

Prof. J.S. Mevekari

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MSE (S.Y.)TIME TABLE 2021-2022		
DATE	**TIME**	**S.Y.**
10/06/22	10:00AM To 11.00AM	SM-I
	12:00 noon To 1:00PM	HYD-II
	3:00PM To 4:00PM	WRE
11/06/22	10:00AM To 11.00AM	EE
	12:00 noon To 1:00PM	EG
	3:00PM To 4:00PM	BPD

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SSC

APM

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JJ Hr -

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MSE(S.Y.) TIME TABLE 2021-2022			
SEATING ARRANGEMENT			
DATE	**CLASS**	**A107**	**A108**
10/06/22	S.Y.	1 To 35	36 To 62
11/06/22		1 To 35	36 To 62

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MSE (S.Y.)TIME TABLE 2021-2022 SUPERVISION CHART			
DATE	**TIME**	**A107**	**A108**
10/06/22	10:00AM To 11.00AM	Prof. Shinde S.M.	Prof. Dhende A. N.
	12:00 noon To 1:00PM	Prof. Chavan S.S.	Prof. Gavade J.J.
	3:00PM To 4:00PM	Prof. Salokhe E.P.	Prof. Momin A.M.
11/06/22	10:00AM To 11.00AM	Prof. Shinde S.M.	Prof. Salokhe E.P.
	12:00 noon To 1:00PM	Prof. Chavan S.S.	Prof. Gavade J.J.
	3:00PM To 4:00PM	Prof. Dhende A. N.	Prof. Momin A.M.

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DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – June 2022

Course: B. Tech in Second Year **Sem: IV**

Subject Name: Environmental Engineering **Subject Code: BTCVC402**

Max Marks: 20 **Date:- 11/06/2022** **Duration:- 1 Hr.**

Instructions to the Students:

1. Assume suitable data if required.
2. Figures to the right indicate full marks.
3. Only non programmable calculators are allowed.

		(Level/CO)	Marks
Q. 1	**Solve Multiple choice Questions**		**6**
	1. Per capita demand of water is calculated in liters is ------ a) Per person per day b) Per person per month c) Per person per year d) Per person per decade	1	
	2. What is the unit for measuring pH? a) Unit less b) mg/l c) ppm d) ppb	1	
	3.Which is the more acidic solution from the followings? a) 1 b) 3 c) 7 d) 9	1	
	4.Which is the more alkaline solution from the followings? a) 13 b) 9 c) 7 d) 1	1	
	5. ------ is not an example of valve. a) Centrifugal b) Sluice c) Reflux d) Scour	1	
	6.------ is one of thetypes of pump. a) Reciprocating b) Gatec) Scour d) Reflux	1	
Q.2	**Solve Any Two of the following.**		**3 X 2**
(A)	Enlist different population forecasting methods and explain any two in detail.	1	
(B)	Enlist different chemical characteristicsof water and explain any two in detail.	1	
(C)	Write a note on the following valves: a) gate b) air c) non-return.	1	
Q. 3	**Solve Any One of the following.**		**8**
(A)		2	

Year	1961	1971	1981	1991
Population	8000	12000	17000	22500

Calculate the probable population in years 2001, 2011, and 2021 by using:
a) Arithmetical increase method, and b) Geometrical increase method.

(B)	Data of parameters is as follows: 1) Discharge = 1.823m^3/s; 2) Length = 6000 m; 3) Head loss = 15m. Based on the above information, calculate the size of rising main by using: a) Hazen-Williams formula [C_H = 130], and b) Darcy-Weisbach formula [f = 0.012].	2	
	***** End *****		

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – June 2022

Course: B. Tech in Second Year **Sem: IV**

Subject Name: Environmental Engineering **Subject Code: BTCVC402**

Max Marks: 20 **Date:- 11/06/2022** **Duration:- 1 Hr.**

Instructions to the Students:

1. Assume suitable data if required.
2. Figures to the right indicate full marks.
3. Only non programmable calculators are allowed.

Answer key

		Answer	Marks
Q. 1	**Solve Multiple choice Questions**		**6**
	1. Per capita demand of water is calculated in liters is ------ a) Per person per day b) Per person per month c) Per person per year d) Per person per decade	**a**	
	2. What is the unit for measuring pH? a) Unit less b) mg/l c) ppm d) ppb	**a**	
	3.Which is the more acidic solution from the followings? a) 1 b) 3 c) 7 d) 9	**a**	
	4.Which is the more alkaline solution from the followings? a) 13 b) 9 c) 7 d) 1	**a**	
	5. ------ is not an example of valve. a) Centrifugal b) Sluice c) Reflux d) Scour	**a**	
	6. ------ is one of the types of pump. a) Reciprocating b) Gate c) Scour d) Reflux	**a**	
Q.2	**Solve Any Two of the following.**		**3 X 2**
(A)	Enlist different population forecasting methods and explain any two in detail. Different methods ----------1 mark Any two carries one mark each.		
(B)	Enlist different chemical characteristics of water and explain any two in detail. Different parameters ----------1 mark Any two carries one mark each.		
(C)	Write a note on the following valves: a) gate b) air c) non-return. Explanation carries one mark each.		
Q. 3	**Solve Any One of the following.**		**8**
(A)			

Year	1961	1971	1981	1991
Population	8000	12000	17000	22500

Calculate the probable population in years 2001, 2011, and 2021 by using:
a) Arithmetical increase method, and b) Geometrical increase method.
Initial table of each method carries one mark each.

Year	2001	2011	2021
Arithmetical increase method forecasted population	27333 (1 mark)	32166 (1 mark)	36999 (1 mark)
Geometrical increase methodforecasted population	31808 (1 mark)	44967 (1 mark)	63570(1 mark)

(B) Data of parameters is as follows: 1) Discharge = 1.823m³/s; 2) Length = 6000 m; 3) Head loss = 15m. Based on the above information, calculate the size of rising main by using: a) Hazen-Williams formula [C_H = 130], and b) Darcy-Weisbach formula [f = 0.012].

a) Hazen-Williams formula (2 Marks) = (d) = 1.098 m = 1098mm (2 Marks)
b) Darcy-Weisbach formula (2 marks) = (d) = 1.065 m = 1065mm (2 Marks).

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NOTICE

MSE

T.Y (SEM-VI)

Date –09/05/22

The **MSE** test for T.Y scheduled on **17th May to 18th May 2022.** In regard all the staff here by informed that , they have to submit their **MSE** TEST question paper hard copy 2 set Exam co-ordinator on or **before 12th May 2022**till 4 pm, otherwise they have to make Xerox set with number of student & submit to Exam co-ordinator

Prof. A. C. Thoke

Exam co-ordinator

1 SMS –

2 SSC

3 AND –

4 JJG –

AMM –

Prof. J.S. Mevekari

H.O.D. Civil

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MSE (T.Y.)TIME TABLE 2021-2022		
DATE	**TIME**	**T.Y.**
17/05/22	10:00AM To 11.00AM	DCS-I
	12:00 noon To 1:00PM	FE
	3:00PM To 4:00PM	PM
18/05/22	10:00AM To 11.00AM	WWT
	12:00 noon To 1:00PM	CT
	3:00PM To 4:00PM	BPD

Dept. Exam. Incharge

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DEPARTMENT OF CIVIL ENGINEERING

MSE(T.Y.) TIME TABLE 2021-2022			
SEATING ARRANGEMENT			
DATE	**CLASS**	**A107**	**A108**
17/05/22	T.Y.	1 To 35	36 To 62
18/05/22		1 To 35	36 To 62

Dept. Exam. Incharge

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MSE (T.Y.)TIME TABLE 2021-2022 SUPERVISION CHART			
DATE	**TIME**	**A107**	**A108**
17/05/22	10:00AM To 11.00AM	Prof. Shinde S.M.	Prof. Dhende A. N.
	12:00 noon To 1:00PM	Prof. Chavan S.S.	Prof. Gavade J.J.
	3:00PM To 4:00PM	Prof. Salokhe E.P.	Prof. Dhende A. N.
18/05/22	10:00AM To 11.00AM	Prof. Shinde S.M.	Prof. Salokhe E.P.
	12:00 noon To 1:00PM	Prof. Chavan S.S.	Prof. Gavade J.J.
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DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination –2022

Course: B. Tech in Third Year **Sem: VI**

Subject Name: Design of Concrete Structures-I **Subject Code: BTCVC601**

Max Marks: 20 **Date:-17/05/2022** **Duration:- 1 Hr.**

Instructions to the Students:

1. Assume suitable data if required.
2. Figures to the right indicate full marks.
3. Only non programmable calculators are allowed.

		(Level/CO)	Marks
Q. 1	**Solve Multiple choice Questions**		**6**
	1. The stress strain curve for concrete is considered parabolic by I.S. code upto a strain of? a) 0.0015 b) 0.0020 c) 0.0030 d) 0.0035	**1**	
	2.What is the modular ratio to be used in the analysis of RC beams using working stress method if the grade of concrete is M20 a) 18.6 b) 13.3 c) 9.9 d) 6.5	**1**	
	3. The working stress method of design specifies the value of modular ratio, $m=280/(3\sigma_{cbc})$,where σ_{cbc} is the allowable stress in bending compression in concrete. To what extent does the above value of 'm' make any allowance for the creep of concrete? a)No compensation b) Full compensation c) Partial compensation d) The two are unrelated	**1**	
	4. The partial factor of safety for concrete as per IS 456:2000 is a) 1.5 b) 1.15 c) 0.87 d) 0.446	**1**	
	5. Maximum strains in an extreme fiber in concrete and in the tension reinforcement (Fe-415 and E_s =200KN/mm^2) in a balanced section at limit state of flexure are resp. a) 0.0035 and0.0038 b)0.002 and0.0018 c) 0.0035 and0.0041 d)0.002 and 0.0031	**1**	
	6.In the limit state design method of concrete structures, the recommended partial material safety factor (γ_m) for steel according to IS 456:2000 is a) 1.5 b) 1.15 c) 1.00 d) 0.87	**1**	
Q.2	**Solve Any Two of the following.**		**3 X 2**
(A)	Explain Modes of failure.	**1**	
(B)	Explain design constant for balanced section.	**1**	
(C)	The C/S of singly reinforced concrete beam is 300mm wide & 400mm deep to centre of reinforcement which consists of 4 bars of 16 mm dia. If the stresses in concrete and steel are not to exceed 5 N/ mm^2 and 140 N/ mm^2. Determine M.R. of the section. Take m=18	**3**	
Q. 3	**Solve Any One of the following.**		**8**
(A)	A doubly reinforced rectangular beam of width 360mm and effective depth 750 mm has to resist an external BM of 300 KN.M. find the amount of tensile and compression steel required. Take effective cover to compression steel is 50 mm. If σ_{cbc}=7 N/ mm^2, σ_{st}=190 N/ mm^2,m=13.33	**3**	
(B)	Design a cantilever chajja with the following data. Span=1 m (from face of walls) ,width=1.5 m,live load=0.75 KN/M^2,finish=0.5 KN/M^{2}support lintel=230X230 mm. Take M15 & Fe415.	**2**	

***** End *****

Mid semester Exam - 2022

T.Y. Btech DCS-I sem- VI Date - 17/5/22

Answer key

Q.1 (6 M)

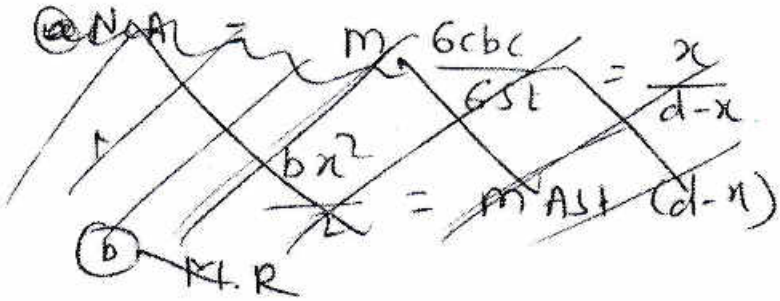
(1) b
(2) b
(3) c
(4) a
(5) a
(6) b

Q.2. (A) Explain modes of failure

Types of failure — (1 M)

Diagram with defination — (2 M)

(B) Explain design constant.



(a) K_c = coefficient or const of NA.

$$K_c = \frac{m\,6cbc}{m\,6cbc + 6st}$$ → (1 M)

(b) J = coefficient or const. of lever arm

$$J = 1 - K/3$$ → (1 M)

(c) coefficient or const. of moment of resistance R or Q.

$$R = \frac{1}{2} K J\, 6cbc$$ → (1 M)

(c) cal. of actual position of N.A (x)

$x = 154.06$ mm $(x^2 + 96.51x - 38604 = 0)$ → 1M

$x_c = K_c \cdot d$ — 1M

$K_c = 0.39$, $x_c = 156$ mm

under r/f sec^n

$M_R = 39.25$ KNM → 1M

Q.3 (A) (1) calculate M_{Rbal}.

$M_{Rbal} = Rbd^2$

$R = 0.33$, $j = 0.89$,

$R = 1.03$.

$M_{Rbal} = 208.57$ KN/M → (2M)

(2) cal. Ast.

$Ast_1 = 1644.55$ mm^2

$Ast_2 = 687.4$ mm^2

$Ast = 2331.95$ mm^2 → (2M)

25 mm ϕ – 5 No.

(3) Asc cal.

$Asc = 1227.30$ mm^2

16 mm ϕ – 6 No cr → (2M)

20 mm ϕ – 4 No.

(4) diagram → (2M)

(B) loading & BM.

① D = 105 mm → (1)

② loading W = 5.8125 KN → (1)

③ M = 3.224 KN.m → (2)

④ D check. $(0.65bd^2 = M)$ → (2)

⑤ steel cal. $Ast = 197.15$ mm^2 spacing cal. → (1)

12 mm ϕ bars @ 235 mm c/c

⑥ Distribution steel cal. & spacing = 120 mm^2 → (1)

6 mm ϕ bars @ 235 mm c/c (1) Draw diagram → (2)

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DEPARTMENT OF CIVIL ENGINEERING

NOTICE

MSE

Final Year B.Tech. (SEM-VIII)

Date –09/05/22

The **MSE** test for B.Tech scheduled on **13th May 2022**. In regard all the staff here by informed that , they have to submit their **MSE** TEST question paper hard copy 2 set Exam co-ordinator on or **before 11th May 2022**till 4 pm, otherwise they have to make Xerox set with number of student & submit to Exam co-ordinator

Prof. A. C. Thoke

Exam co-ordinator

1 EPS

Prof. J.S. Mevekari

H.O.D. Civil

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MSE TIME TABLE 2021-2022		
DATE	**TIME**	**B.TECH.**
13/05/22	10:00AM To 11.00AM	MROCS
	12:00 noon To 1:00PM	RSE

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EPS - 3

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MSE (B.Tech.)TIME TABLE 2021-2022			
SEATING ARRANGEMENT			
DATE	**CLASS**	**A106**	**A103(DH)**
13/05/2022	B.Tech.	1 To 35	36 To 73

Dept. Exam. Incharge

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MSE (B.Tech.) TIME TABLE 2021-2022			
SUPERVISION CHART			
DATE	**TIME**	**A106**	**A103(DH)**
13/05/22	10:00AM To 11.00AM	Prof. Momin A.M.	Prof. Gavade J.J.
	12:00 noon To 1:00PM	Prof. Momin A.M.	Prof. Shinde S.M.

Dept.Exam. Incharge

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EPS - SMP
AMM - AMM
SMJ - SMJ

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – May 2022

Course: B. Tech in Civil Engineering | Sem: VIII

Subject Name: Remote Sensing Essentials | Subject Code: BTCESS802C

Max Marks:20 | Date:- 13/05/2022 | Duration:- 12 to 1:00 (1Hr)

Instructions to the Students:

1. Figures to the right indicate full marks.
2. Assume suitable data if necessary and state them clearly.
3. Illustrate answers with neat sketches wherever required.

		(Level/CO)	Marks
Q. 1	**Attempt the following Questions.**		**6**

1. While passing through the atmosphere, the solar radiation.....
   A) Remains unaffected B) Do not get scattered
   C) Gets absorbed partially and remaining scattered D) None of the above
2. The basic requirement of any sensor system is.....
   A) Radiometric resolution B) Spatial resolution
   C) Spectral resolution D) All the above
3. A digital image is a numeric representation of a two dimensional.....
   A) Vector B) Matrix
   C) Text D) Alpha-numeric characters
4. How many total shades of gray or colours an 8 bits image will have?
   A) 64 B) 128
   C) 256 D) 512
5. If a pixel of an image is having 30m resolution, how much ground area it would represent?
   A) 30 sqm B) 60 sqm
   C) 90 sqm D) 900 sqm
6. Digital image processing is the use of ..... to perform image processing on digital images.
   A) Scanning sensors B) Printing devices
   C) Computer algorithms D) Mobile technology

Q.2 Attempt any Two of the following. **3X2**

1. Discuss types of digital image processing softwares.
2. Write a note on interaction of solar radiation with atmosphere.
3. Differtiate between Passive sensors and Active sensors.

Q. 3 Attempt any One of the following. **8X1**

1. Explain various types of remote sensing platforms.
2. Write a detailed note on Unmanned Arial Vehicle (UAV/Drone) stating its advantages and applications.

*** End ***

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – May 2022

Course: B. Tech in Civil Engineering **Sem: VIII**

Subject Name: Remote Sensing Essentials **Subject Code: BTCESS802C**

Max Marks:20 **Date:- 13/05/2022** **Duration:-12.00Noon – 1.00 pm (1Hr)**

Answer Key

		Ans	Mks
Q. 1	**Attempt the following Questions.**		
1.	While passing through the atmosphere, the solar radiation..... A) Remains unaffected B) Do not get scattered C) Gets absorbed partially and remaining scattered D) None of the above	C	1
2.	The basic requirement of any sensor system is.... ... A) Radiometric resolution B) Spatial resolution C) Spectral resolution D) All the above	D	1
3.	A digital image is a numeric representation of a two dimensional..... A) Vector B) Matrix C) Text D) Alpha-numeric characters	B	1
4.	How many total shades of gray or colours an 8 bits image will have? A) 64 B) 128 C) 256 D) 512	C	1
5.	If a pixel of an image is having 30m resolution, how much ground area it would represent? A) 30 sqm B) 60 sqm C) 90 sqm D) 900 sqm	D	1
6.	Digital image processing is the use of ..... to perform image processing on digital images. A) Scanning sensors B) Printing devices C) Computer algorithms D) Mobile technology	C	1
Q.2	**Attempt any Two of the following.**		**3X2**
1.	Discuss types of digital image processing softwares.		
Ans.	1) Public domain software - 1.5 marks 2) Commercial software - 1.5 marks		
2.	Write a note on interaction of solar radiation with atmosphere.		
Ans.	1) Absorption - 1.5 marks 2) Scattering - 1.5 marks		
3.	Differentiate between Passive sensors and Active sensors.		
Ans.	Each point of difference – 1 marks		
Q. 3	**Attempt any One of the following.**		**8X1**
1.	Explain various types of remote sensing platforms.		
Ans.	Diagram – 2 marks Any three platforms – 2 marks each		
2.	Write a detailed note on Unmanned Arial Vehicle (UAV/Drone) stating its advantages and applications.		
Ans.	Introduction – 2 marks Advantages – 3 marks Applications – 3 marks		
	*** End ***		

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NOTICE

Mid Term Test

S.Y. (SEM- III)

Date –03/02/22

The **Mid Term Test** for all students is scheduled on **7th February 2022.** In this regard all the staff here by informed that, they have to prepare **Mid Term Test** question paper in the **Google form**

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MID TERM TEST TIME TABLE 2021-2022		
DATE	**TIME**	**S.Y.**
07/02/22	9:30AM To 10.30AM	SUR-I
	10:30AM To 11:30AM	MOS
	11:45AM To 12:45PM	M-III
	12:45PM To 1:45PM	HY-I
	2:30PM To 3:30PM	BCD

Dept.Exam. Incharge

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NOTICE

MID TERM TEST

(T.Y.&B.Tech.)

Date –13/12/21

The MID TERM test for T.Y. and B.Tech. is scheduled between 23rd to 24th December 2021. In this regard all the staff are here by informed that , they have to submit their MID TERM TEST question paper in prescribed format(hard copy 2 set) to Exam co-ordinator on or **before 20th December 2021** till 4 pm, otherwise they have to make Xerox set with number of student & submit to exam co-ordinator.

Prof. A. C. Thoke
Exam co-ordinator

Prof. J. S. Mevekari
H.O.D. Civil

1 EPS – 14/12/21
2 SSC –
3 AND –
4 AMM
5 PSS
6 JJG –

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DEPARTMENT OF CIVIL ENGINEERING

MID TERM TIME TABLE 2021-2022			
DATE	**TIME**	**T.E.**	**B.E.**
23/10/21	10:00AM To 11.00AM	DSS	DCS-II
	12:00 Noon To 1:00PM	SM-II	PP
	3:00PM To 4:00PM	SM	IE
24/10/21	10:00AM To 11.00AM	EE-I	WRE
	12:00 Noon To 1:00PM	TRE	CT
	3:00PM To 4:00PM	MTE	EQ

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DJ4 -
AMA -
PSS -
EPS - 14/12/21
SSC -
AND -

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DEPARTMENT OF CIVIL ENGINEERING

MID TERM TIME TABLE 2021-2022
SUPERVISION CHART

DATE	TIME	A106	A107	A108	A103(DH)
23/12/21 (23/10/21)	10:00AM To 11.00AM	Prof. Dhende A. N.	Prof. Salokhe E.P.	Prof. Chavan S.S.	Prof. Gavade J.J.
	12:00 Noon To 1:00PM	Prof. Salokhe E.P.	Prof. Momin A.M.	Prof. Chavan S.S.	Prof. Dhende A. N.
	3:00PM To 4:00PM	Prof. Momin A.M.	Prof. Chavan S.S.	Prof. Salokhe E.P.	Prof. Dhende A. N.
24/12/21 (24/10/21)	10:00AM To 11.00AM	Prof. Chavan S.S.	Prof. Dhende A. N.	Prof. Momin A.M.	Prof. Gavade J.J.
	12:00 Noon To 1:00PM	Prof. Dhende A. N.	Prof. Salokhe E.P.	Prof. Gavade J.J.	Prof. Momin A.M.
	3:00PM To 4:00PM	Prof. Gavade J.J.	Prof. Salokhe E.P.	Prof. Dhende A. N.	Prof. Chavan S.S.

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AMM -
EPS - 14/12
SSC -
AND -

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DEPARTMENT OF CIVIL ENGINEERING

MID TERM TIME TABLE 2021-2022
SEATING ARRANGEMENT

DATE	CLASS	A106	A107	A108	A103(DH)
23/10/21	T.Y.	1 To 35	36 To 62	-	-
	B.Tech.	-	-	1 To 35	36 To 73
24/10/21	T.Y.	1 To 35	36 To 62	-	-
	B.Tech.	-	-	1 To 35	36 To 73

Dept.Exam. Incharge

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	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE **Mid Semester Examination – Dec. 2021** **Course: B. Tech in Third Year** **Sem: V** **Subject Name: Design of Steel Structure** **Subject Code: BTCVC501** **Max Marks: 20** **Date:- 23 /12/2021** **Duration:- 1 Hr.**		
	Instructions to the Students: 1. Assume suitable data if required. 2. Figures to the right indicate full marks. 3. Only non programmable calculators are allowed.		
		(Level/CO)	Marks
Q. 1	**Solve Multiple choice Questions**		**6**
	1. By providing sufficient edge distance which of the following failure to rivet can be avoided a) tension failure of plate b) shear failure of rivet c) shear failure of plate d) crushing failure of rivet	**1**	
	2. Why is built-up section used? a) for resisting bending moment b) used when rolled section do not furnish required sectional area c) to sustain seismic loads only d) for aesthetic appearance	**1**	
	3. Which of the following is not a compression member? a) tie b) strut c) rafter d) boom	**1**	
	4. beam section is provided on the basis of (i) section modulus, (ii) deflection, (iii) shear a) i, ii b) ii, iii c) i, iii d) i, ii and iii	**1**	
	5.Effective length of compression member is _____ a) distance between ends of members b) distance between end point and midpoint of member c) distance between points of contraflexure d) distance between end point and centroid of member	**1**	
	6. What is the effective length when both ends of compression member are fixed? a) 0.65L b) 0.8L c) L d) 2L	**1**	
Q.2	**Solve Any Two of the following.**		**3 X 2**
(A)	Describe various types if beams.	**1**	
(B)	Discuss various types of load on structure.	**1**	
(C)	Describe the end condition of column.	**1**	
Q. 3	**Solve Any One of the following.**		**8**
(A)	Design single angle discontinuous strut to carry load of 47 KN. Length of strut is 3.0 m between intersections. Strut connected to 12mm thick gusset plate with a. 24 mm diameter power driven rivet b. 20 mm diameter hand driven rivet	**2**	
(B)	Design beam of 5m effective span, carrying uniform load of 20.6 Kn/m if compression flange is laterally supported.	**3**	
	***** End *****		

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – Dec. 2021

Course: B. Tech in Final Year **Sem: VII**

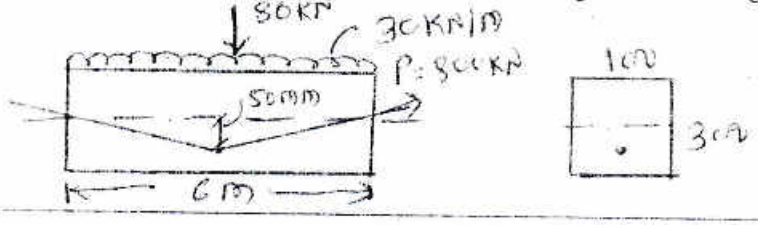
Subject Name: Design of Concrete Structures – II **Subject Code: BTCVC701**

Max Marks: 20 **Date:-23 /12/2021** **Duration:- 1 Hr.**

Instructions to the Students:

1. Assume suitable data if required.
2. Figures to the right indicate full marks.
3. Only non programmable calculators are allowed.

		(Level/CO)	Marks
Q. 1	**Solve Multiple choice Questions**		**6**
	1. Equivalent shear Ve is given by? a) Vu + 1.6 (Tu / b) b) Vu + 1.7 (Tu / b) c) Vu + [1 + (D / b)] / 1.7 d) None	1	
	2. When Tu = 50 KN –m , Vu = 40 KN and b = 300 mm than Ve = ___ KN a) 306.66 b) 406.66 c) 206.66 d) none of these	1	
	3. The beams are having torsional moment, the side face reinforcement shall be provided for the overall depth exceeding …. mm. a) 450 mm b) 750 mm c) 300 mm d) none of these	1	
	4. In limit-state of design of prestressed concrete, which of the following strain distribution is assumed a) Linear b) Bilinear c) Parabolic d) none of these	1	
	5. Which of the following systems are used as anchorage for post-tensioning a) Freyssinet system b) Magnel Blaton system c) Gifford-Udall system d) All of the above	1	
	6. High strength concrete is used for pre-stressed concrete because of a) Low creep b) Lesser prestress loss c) High tensile strength d) Low brittleness	1	
Q.2	**Solve Any Two of the following.**		**3 X 2**
(A)	Explain the behavior of RCC beam under pure torsion.	1	
(B)	Explain the various post-tensioning system based on wedge action with sketches.	2	
(C)	Analysis of area of circular column to carry a load of 400KN.The column is provided with circular lateral tiles. Use M20 & Fe 250.	3	
Q. 3	**Solve Any One of the following.**		**8**
(A)	Rectangular pr-stress concrete beam 200X400mm is having a simply supported span of 10m. It carried a udl of 10KN/M through the beam and it is pre-stressed with 300KN at an eccentricity of 100mm at the centre. Find the extreme fiber stress at the centre of beam.	1	
(B)	Calculate max. fiber stress for beam shown below using load balancing concept .	2	



2.5.1 CA1,CA2,MSE sample question paper, result analysis, marks sheet (filled DBATU portal), sample answer sheet/ summary of online examination, snap of students portal showing internal marks

DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.
Sanjeevan Engineering & Technology Institute, Panhala
Department of Computer Science & Engineering
CA-I (October 2021-2022)

CLASS: Final Year B.Tech SEM:V ACADEMIC YEAR : 2021-22
NAME OF STUDENT :
ROLL No. PRN No.
MARKS OBTAINED: MARKS: 10
DATE : 20/10/2021 Time : 10.30 am to 11am
SUBJECT: Database Systems

INSTRUCTIONS:
1) All questions are compulsory.
2) Each question carries 1 mark.
3) Write the correct option in the box given at the end of each question
4) Multiple choices are not allowed

Q.No	Questions	Correct Option
1	Any fact that can be recorded is known as …… a) Knowledge b) Information c) Data d) All of the above	
2	Database Systems are made-up of ……data structures. a) Simple b) Complex c) Derived d) None	
3	Logical level of abstraction describes what data is stored in database and what relationships exist among those data. a)True b) False	
4	Overall design of a database is called the…… a) Abstraction b) Instance c) Schema	
5	The data stored in database at a particular moment of time is called as ……of database. a)Abstraction b) Instance c) Schema	
6	DML stands for …… a) Data Management Languages b) Database Markup Language c) Data Manipulation Language d) None of these	
7	……is a set of entities of same type that share the same properties or attributes. a)Attributes set b)Relationship set c) Entity Set d) Property Set	
8	Consider an employee entity set with attribute phone –number, attribute phone – number is a…… a)Simple Attribute b)Composite Attribute c)Single Valued Attributes d) Multi-valued Attributes	
9	A Relationship sets that involve two entity sets is known as…… a) Unary Relationship Set b) Binary Relationship Set c) Ternary Relationship Set d) N-ary Relationship set	
10	Which of the following symbols represent relationship sets in ER diagram. a) Lines b) Diamonds c) Divided rectangles d) Undivided rectangles	

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE
Mid Term Exam – 2021
Course: B. Tech in Computer Science & Engineering **Sem: V**
Subject Name: Database Systems **Subject Code:**
BTCOC501
Max Marks: 20 **Date:- 20/12/21** **Duration:- 1.0 Hr.**

Instructions to the Students:
1. All Questions are compulsory.
2. Solve any one from Q.2 , Solve any one from Q.3 & Solve any one from Q.4

Q.1 Solve the multiple choice questions. **6M**

I. The data stored in database at a particular moment of time is called instance of database.
(a)True (b) False

II. Which is lowest level of abstraction.
(a)View Level (b) Logical Level (c) Physical Level (d) None of these

III. ……. describes only part of entire database.
a) Internal Level b) Conceptual Level (c) External Level

IV. The total number of attributes in the relation is called as……
(a) Cardinality (b) Degree (c)Tuple variable (d) schema

V. ……is a table with columns and rows.
(a) Domain (b) Tuple (c) Relation (d) domain

VI. Command that comes under DML is……
(a)ROLLBACK (b) GRANT (c) SELECT (d) All of the above

Q.2	Solve **Any one of** the following.		
A.	Consider following database Student(s_name,s_no,class,major) Course(c_name,c_no,credit_hours,department) Write SQL statements to do the following update on the database schema a) Insert a new student <'johnson' ,25,1,'math'> b) Change the credit_hours of course 'Data Science' to 4. c) Delete the record for the student whose name is 'smith' and whose student no is 17.	CO3	6
B.	Construct ER- Diagram for Banking Enterprise.	CO1	
C	Explain Basic Fundamental Relational Algebra Operations.	CO2	
Q.3	Solve **Any one** of the following		
A	Explain Different Relational Model Concepts.	CO2	

B.	Consider following Student Relation a)Identify degree of Student relation . b)Identify Cardinality of Student relation . c) Identify Domain of ID attribute. d)Identify Tuples of Student relation . e)Write Relational Schema for Student Relation	CO2	4
Q.4	Solve **Any one** of the following.		
A.	Find the minimum number of tables required to represent the given ER diagram in relational model.	CO1	4
B.	Explain Two Tier and Three Tier architectures. Which is better suited for web applications? Why?	CO1	

ID	NAME	CLASS	MARK	GENDER
1	John Doe	Four	75	female
2	Max Ruin	Three	85	male
3	Arnold	Three	90	male
4	Kristh Bale	Four	80	female
5	John Mike	Four	65	female
6	Alex John	Four	50	male
7	My John Rob	Five	75	male
8	Asrud	Five	85	male
9	Tes Qry	Six	78	male
10	Big John	Four	55	female

----------All the Best----------

DR. BABASAHEB AMBEDKAR TECHNICAL UNIVERSITY, LONERE.
Sanjeevan Engineering & Technology Institute, Panhala
Department of Computer Science & Engineering

CA-II (February 2021-2022)

CLASS: S.Y.	SEM: -III	ACADEMIC YEAR : **2021-22**
NAME OF STUDENT:		
ROLL No.	PRN No.	
MARKS OBTAINED:		MARKS: 10
DATE : 9-12-2022		
SUBJECT: CAO		

Supervisor Sign

INSTRUCTIONS:
1) **All questions are compulsory.**
2) **Each question carries 1 mark.**
3) **Write the correct option in the box given at the end of each question**
4) **Multiple choices are not allowed**

Q.No	Questions	Correct Option
1	Which of the following memories must be refreshed many times per second? a. Static RAM b. Dynamic RAM c. EPROM d. ROM	
2	Digital devices are a. Digital Clock b. Automobile speed meter c. Clock with a dial and two hands d. All of them	
3	The time taken to transfer a word of data to or from the memory is called as... a. Access time b. Cycle time c. Memory Latency d. None of the above	
4	In SDRAM's ——— are used to store data that is read or written. a. Buffers b. Registers c. Overlays d. None of the above.	
5	——Coordinates the input and output devices of a computer system. a. Processor b. ALU c. Control Unit d. None of the these	
6	The..... bus set of lines that carry information about where in memory data is to be transferred to or from a. data b. address c. control d. all of these	
7	——cycle occurs at beginning of each instruction cycle a. Execute b. fetch c. Interrupt d. Indirect	

8	.....method is used to established priority by serially connecting all devices that request an interrupt. a. Vectored –interrupting b. Daisy chain c. Priority d. Polling	
9	The method which offers higher speeds of I/O transfers is a. Interrupts b. Memory mapping c. Programmed –controlled I/O d. DMA	
10	Reading data is performed in magnetic disk by a. Read / write heads b. Sectors c. Track d. Lower Surface	

Dr. Babasaheb Ambedkar Technological University

Title	Student Marks
Exam Session	Winter Semester Examinations 2021
Institute	0515 / Sanjeevan Engineering and Technology Institute, Panhala
Course	11242 / 2017 / B.Tech (Computer Science and Engineering)
Subject	BTCDC503 / 2021 / Machine Learning
Exported On	2022/03/08 14:52:31

Sl. No.	Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10	Continuous Assessment 1 Marks / 10	Mid Exam Marks / 20	End Exam Marks / 60
			Template / Upload	Template / Upload	Template / Upload	
1	1903151242009	SAWANT OMKAR SURYAKANT	8	8	14	
2	1903151242053	SHETE RAVINDRA AMAR	8	9	17	
3	1903151242011	KUMBHAR NIKITA TANAJI	7	8	13	
4	1903151242052	SINDHAL SANJAY MANKAR	9	8	19	
5	1903151242013	PATIL HRITHIKYA MARUTI	8	8	13	
6	1903151242014	MALI RISHA NANDKUMAR	8	8	20	
7	1903151242015	MARWADI OMKAR BALASO	8	9	16	
8	1903151242016	KHADAKE RUTUJA SUNIL	8	8	20	
9	1903151242017	CHAVAN ANIKET MARUTI	7	8	8	
10	1903151242018	MALI PRADHUMN HARIBHOR	8	7	17	
11	1903151242019	DEVADKAR SOURABH SHASHIKANT	8	9	19	
12	1903151242020	SHINDE PRATIK VIDYADHAR	10	8	15	
13	1903151242021	SHETAKE SHUBHANGI SURESH	9	10	20	

Sl. No.	Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10	Continuous Assessment 1 Marks / 10	Mid Exam Marks / 20	End Exam Marks / 60
			Template / Upload	Template / Upload	Template / Upload	
14	1903151242022	THORBOLE OMKAR SANJAY	8	9	15	
15	1903151242023	PATIL GAURAV SORABH	8	7	8	
16	1903151242024	LAD PRASHANT SANJAY	7	8	16	
17	1903151242025	NARVEKAR SATISH MARUTI	8	8	7	
18	1903151242026	PATIL PRATIK SANTOSH	9	9	15	
19	1903151242028	RAJMANE SHIVAM SANTOSH	10	9	17	
20	1903151242029	KUTUJA RAVSO CHOUDLE	10	8	12	
21	1903151242030	KORAVI PRIYANKA RAMCHANDRA	9	8	13	
22	1903151242031	VALAKE SONALI SHAMRAO	10	9	20	
23	1903151242032	PAWAR SHUBHAM ANANDA	9	8	10	
24	1903151242033	PATIL ANUJA ANANDRAO	7	9	14	
25	1903151242034	NAYAKWADI KASHMIRA MRASO	7	8	13	
26	1903151242035	MULLANI ALFIZA ANWERHUSEN	8	8	14	
27	1903151242037	PATIL ADHYAMYA SHANKAR	8	9	16	
28	1903151242065	VALAKE ANUJA RAJESH	10	9	20	
29	1903151242063	BHOI AMRUTA RAJENDRA	8	9	10	
30	1903151242064	MOMIN MUSKAN JAVED	7	7	16	
31	2063151242003	KAMBLE SHWETA SHAHAJI	7	9	16	
32	2063151242004	PATIL RUTUJA VYANKATRAO	7	8	14	
33	2063151242005	RAWAR SHUBHAM GANDHA	8	8	7	

Dr. Babasaheb Ambedkar Technological University

Title

Student Marks

Exam Season

Summer Semester Examinations 2022

6315 / Sanjeevan Engineering and Technology Institute, Panhala

Course

11293 / 2017 / Bachelor of Technology (Electrical Engineering)

Subject

BTEEC402 / 2021 / Power System

Exported On

2022/08/19 12:43:25

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10		Continuous Assessment 1 Marks / 10		Mid Exam Marks / 20	
		Template	Upload	Template	Upload	Template	Upload
T2063151293001	GOPAL PRAMOD PITHADEYA	5		3		12	
T2063151293002	NAGESH HANAMANT JAGANNAWAR	5		5		10	
T2063151293003	NEHA SANJAY MENSAGARE	10		9		18	
T2063151293004	OMKAR ASHOK GAWADE	8		2		19	
T2063151293005	RAVIRAJ NAMDEV GHEWARI	8		3		16	
T2063151293006	SUSHANT DILIP PAWAR	6		5		12	
T2163151293501	TAMBOLI NIHAL RAJU	1		9		13	
T2163151293502	DIGEKAR PRAVIN BABAJI	6		8		13	
T2163151293503	BOBADE RUTUJA RAMCHANDRA	4		6		13	
T2163151293504	PATIL SAMMED SIDGONDA	10		8		20	
T2163151293505	PATIL DIGVIJAY CHIMASAHEB	8		5		11	
T2163151293506	PATIL SOURABH BHAGWAN	5		3		12	
T2163151293507	KAMBLE PRATHAMESH DHONDIRAM	7		6		7	
T2163151293508	NADIM MAJID DEVLEKAR	7		7		14	
T2163151293509	CHOUGLE UBED YASIN	10		5		15	
T2163151293510	PATIL SHARVARI DADASO	4		7		20	

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10 Template	Upload	Continuous Assessment 1 Marks / 10 Template	Upload	Mid Exam Marks / 20 Template	Upload
T2163151293511	JADHAV SOURAV BABANRAO	10		8		16	
T2163151293512	YELOORE PRAJKTA BANDU	2		7		14	
T2163151293513	PATIL PRANAV MADAN	1		8		12	
T2163151293514	PATIL VAIBHAVI SATISH	4		7		9	
T2163151293515	JAMADAR NIHAL ISAK	2		7		11	
T2163151293516	AGA FAIZAL AFTAB	5		7		8	
T2163151293517	JADHAV PRATHMESH ANNASO	4		5		11	
T2163151293518	DESAI YUVRAJ YASHAWANT	4		7		10	
T2163151293519	BAVANE ANIL DASHARATH	4		6		12	
T2163151293520	HAVAL VENKATESH VITTHAL	7		3		10	
T2163151293522	DAKARE NIKHIL RAMESH	8		2		10	
T2163151293523	MITHARI ABHIJEET PANDURANG	5		7		20	
T2163151293524	PATIL PRASHANT DILIP	8		7		8	
T2163151293525	JADHAV SONALI BABASO	8		10		18	
T2163151293526	PATIL ANIKET YUVRAJ	2		2		18	
T2163151293527	PUSALKAR SURABHI SANJAY	10		9		20	
T2163151293528	KAMBLE SAMRUDDHI VILAS	8		8		19	
T2163151293529	PALSHETKAR SANKET ANIL	4		4		12	
T2163151293530	PATIL SARDAR APPASO	4		8		8	
T2163151293531	LATWADEKAR AMIT BALASAHEB	5		5		10	
T2163151293532	KADAM AARATI SARJERAO	6		4		13	
T2163151293533	VARAPE URMILA HINDURAO	7		10		12	
T2163151293534	DINDE PRANAVKUMAR TANAJI	10		4		18	
T2163151293535	KURANE PRASHANT BABASO	3		7		10	
T2163151293536	SHINDE SAMPADA BHASKAR	4		4		12	
T2163151293537	BHUNDE PAYAL GOMA	7		5		11	

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10 Template	Upload	Continuous Assessment 1 Marks / 10 Template	Upload	Mid Exam Marks / 20 Template	Upload
T2163151293539	JAGTAP PRUTHVIRAJ SANJAY	2		6		12	
T2163151293540	BODKE HARSHIL BAPU	5		4		11	
T2163151293541	PATIL ATHARV SHIVAJI	2		8		13	
T2163151293542	KAMBLE ABHIJEET EKNATH	2		7		11	
T2163151293543	MIRAJE SAKSHI MANOHAR	1		8		12	
T2163151293545	PATIL SURAJ ASHOK	9		5		6	
T2163151293546	NIVADE ROHIT MAHADEV	6		6		8	
T2163151293547	JADHAV ROHIT MAHENDRA	3		10		7	
T2163151293548	MANE RITESH ANIL	1		5		14	
T2163151293549	GURAV SANDIP LALASO	7		7		13	
T2163151293550	NARUTE OMKAR KRUSHANATH	10		6		20	
T2163151293551	BHORE POOJA DEEPAK	2		6		16	
T2163151293552	PRABHAVALKAR DEEPSHREE DEEPAK	6		10		17	
T2163151293553	CHAND SONALI DASHARATH	5		9		16	
T2163151293554	KAPURE SURAJ SHIVAJI	10		5		5	
T2163151293555	PATIL VISHWAS DILIP	3		2		15	
T2163151293556	WAREKAR AKASH SUNIL	6		4		10	
T2163151293557	YEWALE YOGESH VITTHAL	9		4		7	
T2163151293558	JAMBILKAR OMKAR DAGADU	2		7		11	
T2163151293559	KAMBLE VAIBHAV VASANT	7		3		10	
T2163151293560	PATIL SAIRAJ MARUTI	1		7		12	
T2163151293561	POWAR ATUL VILAS	9		10		19	
T2163151293562	KAMBLE PRANAV SUNIL	2		8		11	
T2163151293563	SUTAR SURAJ NAMDEV	6		6		8	
T2163151293565	SHINDE NEHA JAGANNATH	10		5		5	
T2163151293566	BASARE ROHIT MARUTI	6		8		12	

Subject Teacher

Naik Y.R.

(Name and Signature)

HOD

(Name and Signature)

Dr. Babasaheb Ambedkar Technological University

Title

Student Marks

Exam Season

Summer Semester Examinations 2022

6315 / Sanjeevan Engineering and Technology Institute, Panhala

Course

11293 / 2017 / Bachelor of Technology (Electrical Engineering)

Subject

BTEEL407 / 2021 / Power System Lab

Exported On

2022/08/19 12:49:54

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 15 Template Upload	Continuous Assessment 1 Marks / 15 Template Upload	Practical Marks / 10 Template Upload	Internal Practical Marks / 10 Template Upload
T2063151293001	GOPAL PRAMOD PITHADEYA	6	6	AB	AB
T2063151293002	NAGESH HANAMANT JAGANNAWAR	11	11	6	6
T2063151293003	NEHA SANJAY MENSAGARE	14	14	9	9
T2063151293004	OMKAR ASHOK GAWADE	13	12	8	8
T2063151293005	RAVIRAJ NAMDEV GHEWARI	13	12	8	8
T2063151293006	SUSHANT DILIP PAWAR	12	13	8	8
T2163151293501	TAMBOLI NIHAL RAJU	8	7	4	6
T2163151293502	DIGEKAR PRAVIN BABAJI	9	9	5	6
T2163151293503	BOBADE RUTUJA RAMCHANDRA	9	8	6	6
T2163151293504	PATIL SAMMED SIDGONDA	15	14	10	10
T2163151293505	PATIL DIGVIJAY CHIMASAHEB	13	13	9	9
T2163151293506	PATIL SOURABH BHAGWAN	8	7	4	6

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 15 Template Upload	Continuous Assessment 1 Marks / 15 Template Upload	Practical Marks / 10 Template Upload	Internal Practical Marks / 10 Template Upload
T2163151293507	KAMBLE PRATHAMESH DHONDIRAM	8	7	4	6
T2163151293508	NADIM MAJID DEVLEKAR	13	12	8	8
T2163151293509	CHOUGLE UBED YASIN	12	12	8	8
T2163151293510	PATIL SHARVARI DADASO	13	13	10	10
T2163151293511	JADHAV SOURAV BABANRAO	14	13	9	9
T2163151293512	YELOORE PRAJKTA BANDU	13	12	6	6
T2163151293513	PATIL PRANAV MADAN	7	7	4	6
T2163151293514	PATIL VAIBHAVI SATISH	13	12	8	8
T2163151293515	JAMADAR NIHAL ISAK	7	6	4	6
T2163151293516	AGA FAIZAL AFTAB	8	7	4	6
T2163151293517	JADHAV PRATHMESH ANNASO	6	6	AB	AB
T2163151293518	DESAI YUVRAJ YASHAWANT	8	7	4	6
T2163151293519	BAVANE ANIL DASHARATH	8	7	4	6
T2163151293520	HAVAL VENKATESH VITTHAL	8	7	4	6
T2163151293522	DAKARE NIKHIL RAMESH	8	7	4	6
T2163151293523	MITHARI ABHIJEET PANDURANG	15	15	10	10
T2163151293524	PATIL PRASHANT DILIP	13	12	7	9
T2163151293525	JADHAV SONALI BABASO	14	13	9	9
T2163151293526	PATIL ANIKET YUVRAJ	14	13	7	7
T2163151293527	PUSALKAR SURABHI SANJAY	15	15	10	10
T2163151293528	KAMBLE SAMRUDDHI VILAS	15	14	10	10

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 15 Template Upload	Continuous Assessment 1 Marks / 15 Template Upload	Practical Marks / 10 Template Upload	Internal Practical Marks / 10 Template Upload
T2163151293529	PALSHETKAR SANKET ANIL	6	7	4	6
T2163151293530	PATIL SARDAR APPASO	6	7	4	6
T2163151293531	LATWADEKAR AMIT BALASAHEB	8	7	4	6
T2163151293532	KADAM AARATI SARJERAO	14	14	9	9
T2163151293533	VARAPE URMILA HINDURAO	14	14	9	9
T2163151293534	DINDE PRANAVKUMAR TANAJI	12	12	9	9
T2163151293535	KURANE PRASHANT BABASO	8	7	4	6
T2163151293536	SHINDE SAMPADA BHASKAR	8	7	4	6
T2163151293537	BHUNDE PAYAL GOMA	13	13	7	7
T2163151293539	JAGTAP PRUTHVIRAJ SANJAY	10	10	7	6
T2163151293540	BODKE HARSHIL BAPU	8	7	4	6
T2163151293541	PATIL ATHARV SHIVAJI	10	10	4	6
T2163151293542	KAMBLE ABHIJEET EKNATH	9	8	4	6
T2163151293543	MIRAJE SAKSHI MANOHAR	13	12	9	9
T2163151293545	PATIL SURAJ ASHOK	6	6	AB	AB
T2163151293546	NIVADE ROHIT MAHADEV	8	7	4	6
T2163151293547	JADHAV ROHIT MAHENDRA	8	7	4	6
T2163151293548	MANE RITESH ANIL	8	7	4	6
T2163151293549	GURAV SANDIP LALASO	14	13	8	8
T2163151293550	NARUTE OMKAR KRUSHANATH	15	14	10	10
T2163151293551	BHORE POOJA DEEPAK	13	12	8	8

Enrollment Number	Full Name	Continuous Assessment 2 Marks / 15 Template / Upload	Continuous Assessment 1 Marks / 15 Template / Upload	Practical Marks / 10 Template / Upload	Internal Practical Marks / 10 Template / Upload
T2163151293552	PRABHAVALKAR DEEPSHREE DEEPAK	13	12	7	7
T2163151293553	CHAND SONALI DASHARATH	14	13	9	9
T2163151293554	KAPURE SURAJ SHIVAJI	6	7	4	4
T2163151293555	PATIL VISHWAS DILIP	8	8	5	6
T2163151293556	WAREKAR AKASH SUNIL	13	12	9	9
T2163151293557	YEWALE YOGESH VITTHAL	6	6	AB	AB
T2163151293558	JAMBILKAR OMKAR DAGADU	8	7	4	6
T2163151293559	KAMBLE VAIBHAV VASANT	7	7	4	6
T2163151293560	PATIL SAIRAJ MARUTI	13	13	9	9
T2163151293561	POWAR ATUL VILAS	14	14	10	10
T2163151293562	KAMBLE PRANAV SUNIL	8	7	4	6
T2163151293563	SUTAR SURAJ NAMDEV	7	7	4	6
T2163151293565	SHINDE NEHA JAGANNATH	6	6	AB	AB
T2163151293566	BASARE ROHIT MARUTI	7	7	4	4

Subject Teacher

Naik Y.R.

(Name and Signature)

HOD

(Name and Signature)

Principal/Director

(Name and Signature)

Sanjeevan Engineering and Technology Institute, Panhala

Department of Automobile Engineering

Final year Automobile Engineering SEM- VIII Academic year 2021-22

Comparative Marks statement

Rl.No.	Subject / Name of Student	MATERIAL CHARACTERIZATION				Total(100)	Non-Conventional Energy Resources				Total(100)	PROJECT-150	Grand TOTAL (350)	CGPA	SGPA
		ETE (60)	CA -I(10)	CA -II	Mid Sem		ETE (60)	CA -I(10)	CA -II	Mid Sem					
1	Aditya Suresh Patil	42	9	9	18	78	27	8	8	18	61	95	234	8.46	8.14
2	Parikshit Sanjeev Desai	45	9	8	19	81	30	8	7	17	62	98	282	8.86	7.95
3	Varsharani babaso tadavalek	33	10	10	19	72	29	10	10	19	68	92	275	8.72	9.75
4	Yadav vishwajeet dattatray	32	9	9	18	68	21	8	9	18	56	94	211	7.82	7.5
5	Akshata kundlik patil	50	9	9	18	86	31	9	9	18	67	96	271	8.59	9.29
6	Vishal D Patil	28	9	8	18	63	28	7	8	17	60	94	262	8.5	7.52
7	PRITHVIRAJ JADHAV	21	9	9	18	57	20	9	9	18	56	93	221	8.11	7.1
8	Ashutosh ransubhe	26	8	9	17	60	28	8	8	18	62	90	215	8	7.8
9	Abhishek Babasaheb bhosale	51	9	10	19	89	32	9	10	19	70	125	298	9.31	9.57
10	Omkar Ravindra Ravan	48	10	9	18	85	30	10	9	19	68	128	285	9.17	9.57
11	Vivek balaso patil	48	8	8	19	83	29	9	8	18	64	110	256	8.76	8.86
12	Gaurav Jayendra Patil	38	8	8	18	72	28	8	9	17	62	100	248	8.61	7.81
13	Ruturaj babaso jadhav	44	9	8	18	79	26	9	9	18	62	92	205	7.22	8.14
14	Pradip Ghosalkar	29	10	10	19	68	16	10	10	19	55	90	212	8.94	9.38
15	Rushikesh bhikaji tirale	36	9	9	19	73	27	9	9	17	62	94	211	8.51	8.43
16	Shubham Rajendra Shelake	36	8	9	18	71	28	7	8	18	61	93	212	8.52	7.95
17	Yash Devmore	40	8	9	19	76	26	8	7	17	58	98	210	8.42	7.86
18	Sourabh vishnu karande	39	10	8	17	74	25	9	8	18	60	91	205	8.37	8.52
19	Sharad Dinakar Kamble	26	9	8	17	60	28	8	8	16	60	90	200	7.8	7
20	Patil Vaibhav mahadev	27	8	8	17	60	25	8	9	17	59	95	205	8.1	7.5
21	Bhavesh Gosavi	37	10	9	18	74	27	9	8	17	61	120	225	8.59	7.24
22	Prithviraj manoj raorane	53	10	10	19	82	26	10	9	18	63	105	217	8.54	9.38
23	Shivtej Ajit patil	53	10	9	19	81	33	8	9	19	69	115	280	9.05	9.29
24	Omkar suresh Rane	41	8	9	17	75	31	8	9	18	66	98	215	8	7.57
25	Khollam Rushikesh Sunil	43	9	9	18	79	30	8	9	17	64	104	235	8.69	7.86
26	Nilesh balasaheb kamble	47	9	10	18	84	29	8	8	19	64	100	230	8.42	8.24

Yogiraj sunil Davang	17	9	9	19	54	18	9	9	19	55	123	232	8.11	8.1
Tushar Dinkar Dhere	46	8	10	18	82	25	9	8	18	60	110	218	8.19	8
Khot Rajnandini Shivaji	43	10	10	19	82	35	10	10	19	74	135	291	9.01	9.86
Pruthviraj Pandurang Patil	37	8	9	18	72	30	8	9	17	64	100	245	8.39	7.57
Shivraj Mohite	35	9	8	17	69	25	7	8	18	59	95	202	7.84	7
Jay Sanjay Jadhav	49	10	10	19	89	34	9	9	19	71	122	275	9.12	9.57
Kadam Akshay	42	10	9	19	80	29	9	8	18	64	105	220	8.28	9.1

Subjectwise Result Analysis	NAME OF SUBJECT	MC	NCER
	No. of Students Appeared	33	33
	No. of Students Pass	33	33
	No. of Students Fail	0	0
	% Result	100	100

Teacherwise Result Analysis	NAME OF SUBJECT	SPJ (MC)	SPN (NCER)
	No. of Students Appeared	33	33
	No. of Students Pass	33	33
	No. of Students Fail	0	0
	% Result	100	100

Class Coordinator

Head of Department
Automobile Engineering

Holywood Academy's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA

DEPARTMENT OF AUTOMOBILE ENGINEERING

DBATU- Mid Semester Test Semester- VI -2021-22

Subject: Alternative Fuels for IC Engines

Date – Marks & Duration – 20 & 1. 30 Hrs

Ques No.	Question	CO	BL	PO	Mar
Q-1 a	Enlist Various Bio fuels. Explain the Biodiesel and Ethanol properties.	CO1	BL1	PO1	05
Q-1 b	Explain alkaline fuel cell with neat labeled diagram.	CO3	BL1	PO6	05
Q-2 a	How hybrid Electric vehicle (HEV) differ from Electric vehicle(EV)? Explain with its layout.	CO3	BL3	PO6	05
Q-2b	What are the challenges in front of electric and hydrogen fuel vehicles	CO3	BL3	PO6	05

Holywood Academy's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA

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Subject: Alternative Fuels for IC Engines

Date – Marks & Duration – 20 & 1. 30 Hrs

Ques No.	Question	CO	BL	PO	Marks
Q-1 a	Enlist Various Bio fuels. Explain the Biodiesel and Ethanol properties.	CO1	BL1	PO1	05
Q-1 b	Explain alkaline fuel cell with neat labeled diagram.	CO3	BL1	PO6	05
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Q-2b	What are the challenges in front of electric and hydrogen fuel vehicles	CO3	BL3	PO6	05

Sl. No.	Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10	Continuous Assessment 1 Marks / 10	Mid Exam Marks / 20	End Exam Marks / 60
			Template Upload	Template Upload	Template Upload	
15	1963151602023	KAMBLE NILESH BALASAHEB	8	9	11	
16	1963151602024	BHAVESH BHAU GOSAVI	9	9	14	
17	1963151602025	KAMBLE SHARAD DINAKAR	8	9	12	
18	1963151602026	PATIL VISHAL DNYANDEO	9	9	12	
19	1963151602027	PATIL SHIVTEJ AJIT	9	8	13	
20	2063151602005	JADHAV RUTURAJ BABASO	9	8	12	
21	51631520181160210002	PATIL AKSHATA KUNDALIK	8	8	14	
22	51631520181160210003	KHOT RAJNANDINI SHIVAJI	9	10	18	
23	51631520181160210005	YADAV VISHWAJEET DATTATRAY	8	9	12	
24	51631520181160210007	TADAVALEKAR VARSHARANI BABASO	9	10	18	
25	51631520181160210008	GHOSALKAR PRADIP SUBHASH	9	9	17	
26	51631520181160210009	AKSHAY RAMDAS KADAM	9	8	12	
27	51631520181160210011	DAVANG YOGIRAJ SUNIL	8	7	13	
28	51631520181160210012	RAORANE PRITHVIRAJ MANOJ	9	9	15	
29	51631520181160210013	PATIL VAIBHAV MAHADEV	8	8	11	
30	51631520181160210024	JADHAV PRITHVIRAJ DADASAHEB	8	8	13	
31	51631520181160210028	RANSUBE ASHUTOSH VIJAY	8	7	11	
32	51631520181160210030	RANE OMKAR SURESH	8	7	11	
33	51631520181160210032	KARANDE SOURABH VISHNU	9	9	12	

Sl. No.	Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10	Continuous Assessment 1 Marks / 10	Mid Exam Marks / 20	End Exam Marks / 60
			Template Upload	Template Upload	Template Upload	
34	51631520181160211001	PATIL ADITYA SURESH	9	9	14	

Subject Teacher

Pisal S.K.

(Name and Signature)

HOD

Pisal S.K.

(Name and Signature)

Principal/Director

(Name and Signature)

Dr. Babasaheb Ambedkar Technological University

Title	Student Marks
Exam Season	Winter Semester Examinations 2021
Institute	6315 / Sanjeevan Engineering and Technology Institute, Panhala
Course	11602 / 2017 / Bachelor of Technology (Automobile Engineering)
Subject	BTMEC704C / 2020 / Finite Element Method
Exported On	2022/02/12 11:58:07

Sl. No.	Enrollment Number	Full Name	Continuous Assessment 2 Marks / 10 (Template / Upload)	Continuous Assessment 1 Marks / 10 (Template / Upload)	Mid Exam Marks / 20 (Template / Upload)	End Exam Marks / 60
1	1963151602001	ABHISHEK BABASAHEB BHOSALE	9	10	17	
2	1963151602002	DHERE TUSHAR DINKAR	8	8	11	
3	1963151602003	SHELAKE SHUBHAM RAJENDRA	9	8	13	
4	1963151602004	PATIL PRUTHVIRAJ PANDURANG	8	7	12	
5	1963151602005	PARIKSHIT SANJEEV DESAI	9	9	16	
6	1963151602006	OMKAR RAVAN	9	9	13	
7	1963151602007	VIVEK BALASO PATIL	9	9	14	
8	1963151602013	SHIVRAJ VIJAY MOHITE	8	7	13	
9	1963151602014	TIRALE RUSHIKESH BHIKAJI	9	8	11	
10	1963151602016	PATIL GAURAV JAYENDRA	9	8	13	
11	1963151602017	SURVE SAHIL SANTOSH	8	7	11	
12	1963151602018	KHOLLAM RUSHIKESH SUNIL	8	8	15	
13	1963151602019	DEVMORE YASH JAYKUMAR	8	9	12	
14	1963151602022	JADHAVMITHARI JAY SANJAY	9	9	14	