(BR20)

Course code: 20HS2T01

BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE: ODALAREVU
(AUTONOMOUS)

I B.Tech II-Semester Supplementary Examinations (BR20), JUNE-2026

ENGLISH

(CIVIL, MECH, CSE, CSE(AI&DS,AI&ML& CSE (AI&ML))

Time: 3 hours | Max. Marks: 70 M

Question paper consists of FIVE units, each carrying 14 marks
Each unit has TWO questions; either of them should be answered
All parts of question must be answered at one place

1.a) Write dialogues based on the following situation 7M
Before the start of a conference, the Head of department of Civil Engineering introduces Dr V.Savitha, a Senior colleague in the department and Professor Rini Mathew, who is to deliver the keynote address, to each other.

1.b) Do you agree that the story 'An Astrologer's day' is a humorous one? Justify in support of your answer. 7M

OR

1.c) Fill in the blanks with appropriate articles 7M

i. Sheldon is ___ honest man.
ii. King Arthur was ___ just king.
iii. ____ lion let go of ___ mouse.
iv. I have fixed ___ appointment with ___ doctor.
v. Will you take ___ picture of us?
vi. I broke ___ vase my brother brought.
vii. My mother has ___ polka-dotted umbrella.
viii. The team organized __ friendly match with ___ Presidents of both ___ countries.
ix. We had __ mulberry tree in the garden.
x. ___ Eiffel Tower lights up at night.

1.d) Discuss the achievement of G D Naidu in detail. 7M

2.a) Read the following sentences and fill in the blanks with 'am', 'is', or 'are'. 7M

i. The children ___ playing cricket.
ii. Yusuf ___ going to the market.
iii. The moon ___ shining brightly.
iv. Strong winds ___ blowing.
v. I ___ playing with firecrackers.
vi. The painter ___ drawing a landscape.
vii. __ you going somewhere?
viii. Samuel __ mowing the lawn.
ix. I ___ doing my homework.
x. The swans ___ in the pond.
xi. They ___ enacting Romeo and Juliet on stage.
xii. Thunder ___ rumbling.
xiii. People ___ jogging in the park.
xiv. Tina ___coming back from New York.

2.b) Why does Kalam state that he forgot his inconvenience during the landing aster seeing the state's wealth? 7M

OR

2.c) Read the following statements and fill in the gaps using correct question tags. 7M

i. Juhi is from Mumbai, ____?
ii. We are late for the movies, ___?
iii. Sam isn't a good boy, ____?
iv. I was wrong about this, ___?
v. Andrew was present at the school yesterday, ____?
vi. You have done your homework, _____?

2.d) State the role of G R Gopinath in India's aviation industry 7M

3.a) Why does C.V.Raman consider water as the true elixir of life? 7M

3.b) Read the sentences below and make the necessary changes. 7M

i. Rahul went to school despite of having a fever.
ii. I haven't seen Susan since six years.
iii. Lisa is busy at the work, so she can't make it on time.
iv. Our mathematics teacher is giving us too much tasks.
v. Do not advice her, she won't listen.
vi. My mother cooks rice yesterday.
vii. He or Raju are guilty.

OR

3.c) Interpret the contribution of philanthropist Sudha Murthy to Society. 7M

3.d) Fill in the blanks with the simple tense form of the verbs given in brackets. 7M

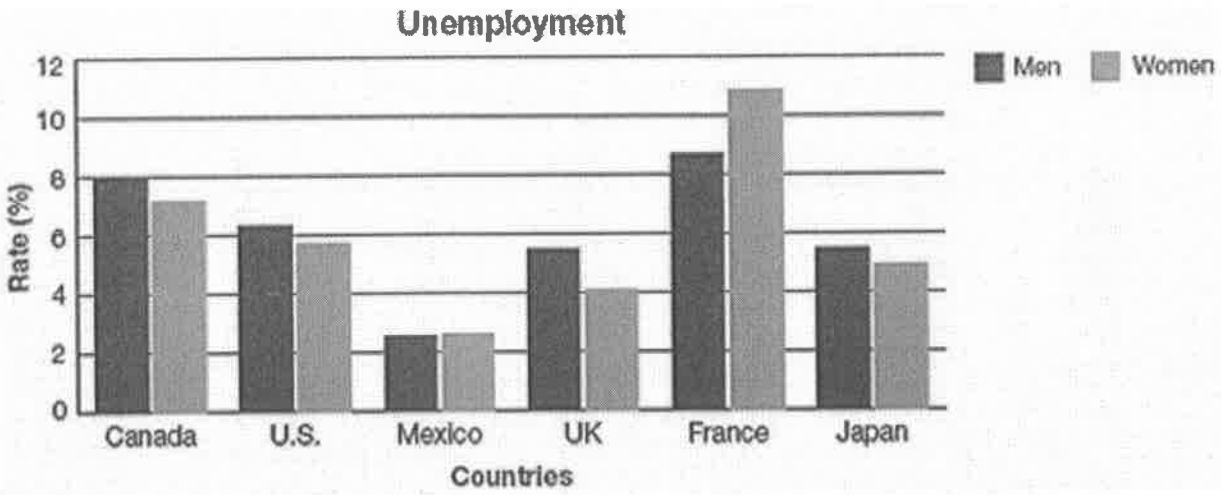
i. The Principal ____ to speak to Raj. (want)
ii. The Earth ____ around the Sun. (revolve)
iii. The baby ___ all day. (cry)
iv. The flight ____ at 8 o'clock in the morning. (leave)
v. What ____ so good? (smell)
vi. Hema ___ badminton every evening. (play)
vii. Tony ___ to guitar lessons every Sunday. (go)

4.a) Write a report on the annual day celebrations of your college 7M

4.b) Describe the feelings of the narrator in 'The Woodrose,' in leading her retired life in son's house? 7M

OR

4.c) Describe the following graph using expressions of comparison. 7M



4.d) Fill in the blanks with the **correct form of the verb.** 7M

i. Each of the girls ____ her own dress. (has/have)
ii. Five miles____ long distance. (is/are)
iii. Many a man ____ tried hard to climb the treacherous mountain range. (have/has)
iv. The furniture of the house ____ quite impressive. (is/are)
v. Few students _____ coming to the party. (is, are)
vi. Uma, my childhood friend ____ leaving for Delhi next month. (is/are)
vii. Most of my friends _____ government employees. (is/are)

5.a) Write an Essay on the Impact of Social media on Youth. 7M

5.b) Discuss the inventions of Jagadish Chandra Bose in detail. 7M

OR

5.c) Draft an E-mail letter to a manufacturing company of Mobile phones, requesting them to send you the catalogue of latest mobile phones. 7M

5.d) Write a note on the main elements of effective presentation. 7M

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BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE::ODALAREVU
(AUTONOMOUS)
I B.Tech II Semester Supplementary Examinations (BR20), JUNE - 2026
ELECTRICAL CIRCUITS (EEE,ECE)

Time: 3 hours Max. Marks: 70

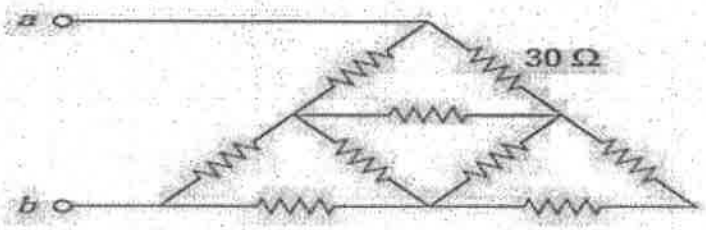
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*Question Paper consists of **FIVE** units, each carrying 14 marks*
*Each unit has **TWO** questions; either of them should be answered*
All parts of a question must be answered at one place

UNIT-I

1.a) State and explain Ohm's law and write the limitations of Ohm's law. (7M)

1.b) Calculate the equivalent resistance Rab for the circuit shown below. All the resistor values are 30 Ω. (7M)



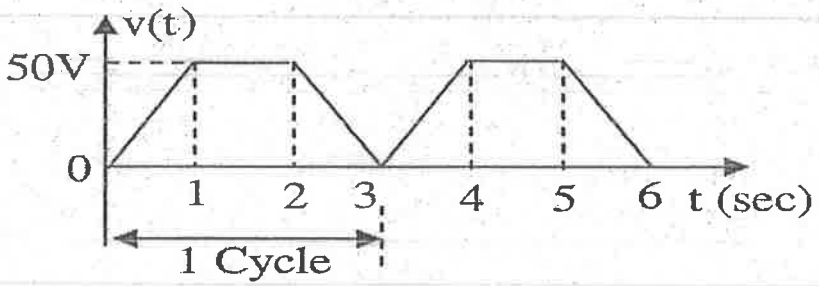
(OR)

1.c) Derive the Expression for equivalent Resistance R_{eq} when two resistors R_1 and R_2 are connected in Series ? (7M)

1.d) Three resistances of 5Ω, 10 Ω and 15 Ω are joined in parallel. If the current in 10 Ω resistor is 3A,what is the current in other resistors and total current? (7M)

UNIT-II

2.a) Determine the RMS and Average value of the trapezoidal waveform shown in the figure below (7M)



2.b) An RLC circuit consists of a resistance of 1000W,an inductance of 100 mH and a capacitance of 10μF.Determine Q factor of the circuit . (7M)

(OR)

2.c) Define Resonance? Derive the expression for resonance frequency in a series RLC circuit. (7M)

2.d) A coil of 2.2Ω resistance and 0.01H is connected in series with a capacitor across 220V mains. Find the value of capacitance such that the maximum current flows in the circuit at a frequency of 100Hz. Also, find the current and voltage across the capacitor. (7M)

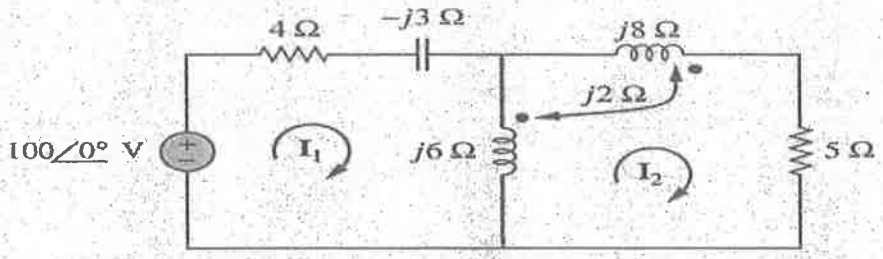
UNIT-III

3.a) Derive an expression for co-efficient of coupling in a magnetic circuit. (7M)

3.b) Two coupled coils with L1=0.01H and L2=0.04H and K=0.6 are connected in four different ways i.e series aiding, series opposing, parallel aiding and parallel opposing. Find the equivalent inductance in each case. (7M)

3.c) Derive the expression for L_{eq} when two inductors L_1 and L_2 are connected in parallel aiding having a mutual inductance of M between them. (7M)

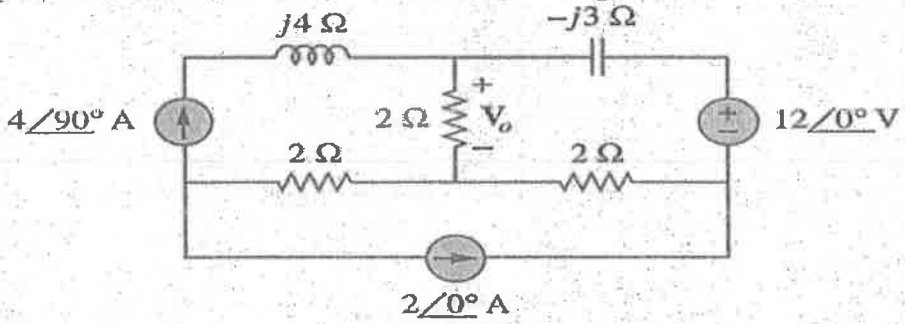
3.d) Determine voltage V across a 5 ohms resistor in the magnetically coupled circuit shown below (7M)



UNIT-IV

4.a) State and explain Thevenin's theorem also write the procedure for calculating thevenin resistance R_{th}. (7M)

4.b) Use superposition theorem, determine V_0 in the following circuit. (7M)



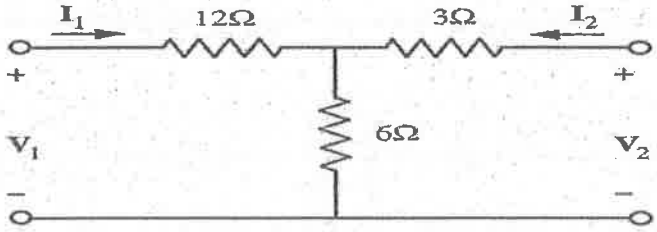
(OR)

4.c) State and explain maximum power transfer theorem. Write any three applications and limitations of this theorem. (14M)

UNIT-V

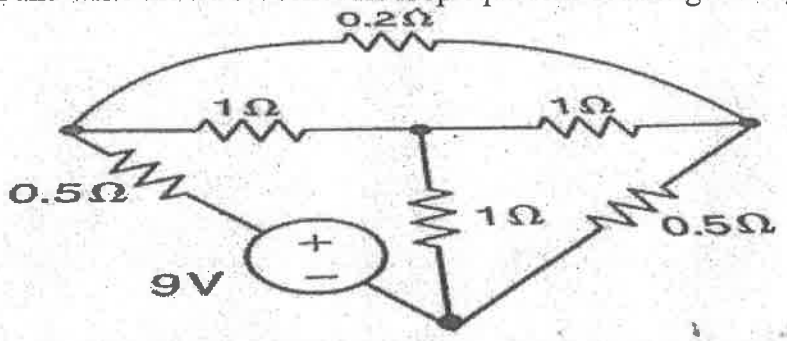
5.a) Explain in detail about Y-parameters of a two-port network. Write the condition for Symmetry and Reciprocity. (7M)

5.b) Determine the z parameters For the circuit given below, (7M)



(OR)

5.c) Draw the graph and write the tie-set schedule loop equations for the given figure. (7M)



5.d) Explain the procedure for obtaining fundamental tie-set matrix of given network. (7M)

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Course Code: 20BS2T02

BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE::ODALAREVU
(AUTONOMOUS)
I B. Tech II-Semester Supplementary Examinations (BR20), June - 2026
Integral Transforms and Calculus
(Common to all Branches)

Time: 3 hours **Max. Marks: 70**

Question Paper consists of FIVE units, each carrying 14 marks
*Each unit has **TWO** questions; either of them should be answered*
All parts of a question must be answered at one place

	UNIT-I	
1.a)	Evaluate $L[e^{-2t} + 6t^4 + 3sin5t]$	(7M)
1.b)	Evaluate $L\left[\int \frac{e^t sint}{t} dt\right]$	(7M)
	(OR)	
1.c)	Evaluate $L^{-1}\left[\frac{s}{(s^2+a^2)^2}\right]$	(7M)
1.d)	Using Laplace transform , solve the differential equation $(D^2 + 2D - 3)y = sint$, given $y(0) = 0, y'(0) = 0$	(7M)
	UNIT-II	
2.a)	Find the half-range fourier sine series for $f(x) = x(\pi - x) in\ (0, \pi)$. Hence deduce that $\frac{1}{1^3} - \frac{1}{3^3} + \frac{1}{5^3} - \frac{1}{7^3} + \cdots = \frac{\pi^3}{32}$	(14M)
	(OR)	
2.b)	Using Fourier Integral Show that $e^{-ax} = \frac{2a}{\pi}\int_0^\infty \frac{cos(\lambda x)}{(\lambda^2+a^2)} d\lambda$, $a > 0$	(7M)
2.c)	Find the fourier sine and cosine transform of $f(x) = 2e^{-5x} + 5e^{-2x}$	(7M)
	UNIT-III	
3.a)	Evaluate $Z[(n.sinn\theta)]$	(7M)
3.b)	Evaluate by using Convolution theorem $Z^{-1}\left[\frac{z}{(z+1)(z+4)}\right]$	(7M)
	(OR)	
3.c)	Evaluate $Z^{-1}\left[\frac{z^2+3z}{(z-5)(z+2)}\right]$	(7M)
3.d)	Solve the difference equation $u_{n+2} - 6u_{n+1} + 9u_n = 4^n$, given that$u_0 = 0$ &$u_1 = 1$ by using Z-transform.	(7M)
	UNIT-IV	
4.a)	Evaluate $\int_0^4 \int_0^x xy\, dydx$	(4M)
4.b)	By changing into polar coordinates, Evaluate $\int\int \frac{x^2y^2}{x^2+y^2} dxdy$ over the angular region between the circles $x^2 + y^2 = a^2 and x^2 + y^2 = b^2\ (b > a)$	(10M)
	(OR)	

4.c)	Evaluate $\iint_R r\sin\theta \, dr d\theta$ over the region R above the initial line of the cardioid $r = a(1+\cos\theta)$	(7M)
4.d)	Evaluate $\int_0^{\log 2} \int_0^x \int_0^{x+\log y} e^{x+y+z} dx dy dz$	(7M)
	UNIT-V	
5.a)	Find the directional derivative of $\emptyset(xyz) = xy^2 + yz^2$ at the point $(2,-1,1)$ in the direction of $\vec{\imath} + 2\vec{j} + 2\vec{k}$.	(7M)
5.b)	Show that the vector $\bar{F} = yzi + zxj + xyk$ is irrotational and find its scalar potential	(7M)
	(OR)	
5.c)	Verify Gauss divergence theorem for $\vec{f} = (x^3 - yz)\vec{\imath} - 2x^2y\vec{j} + z\vec{k}$ taken over the surface of the cube bounded by the coordinate planes and the planes $x = y = z = a$.	(14M)

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COURSE CODE: **20BS2T05**

BONAMVENKATACHALAMAYYAENGINEERINGCOLLEGE: ODALAREVU
(AUTONOMOUS)
I-B.Tech II-Semester Supplementary Examinations (BR20), June-2026
APPLIED PHYSICS
(Common to CSE/CSE (AI&DS)/AI&ML)

Time:3hours Max.Marks:70

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*Question Paper consists of FIVE units, each carrying 14 marks each unit has **TWO** questions, either of them should be answered All parts of a question must be answered at one place*

UNIT-I

1.a)	Discuss the theory of thin films and explain the condition for constructive and destructive interference in the case of reflected light?	(10M)
1.b)	Calculate the thickness of a soap film ($\mu = 1.463$) that will result in constructive interference in the reflected light, if the film is illuminated normally with the light whose wavelength in free space is 6000 Å ?	(4M)
	(OR)	
1.c)	Distinguish between Fresnel and Fraunhofer diffraction?	(4M)
1.d)	Give the theory of Fraunhoffer diffraction due to a single slit and hence obtain the condition for primary and secondary maxima?	(10M)

UNIT-II

2.a)	Distinguish between spontaneous and stimulated emission process of light?	(4M)
2.b)	Explain the construction and working of He- Ne LASER?	(10M)
	(OR)	
2.c)	Briefly explain the terms a) Numerical aperture and b) acceptance angle?	(7M)
2.d)	Distinguish between step index an graded index optical fiber	(7M)

UNIT-III

3.a)	Explain the Ionic polarization in atoms and obtain an expression Electronic polarizability?	(7M)
3.b)	Derive Classius – Mosotti relation in dielectrics	(7M)
	(OR)	
3.c)	Define the terms a) Permeability b) Susceptibility and c) magnetic flux density	(7M)
3.d)	Explain the phenomenon of ferromagnetic hysteresis and explain the concept of retentivity and coercivity.	(7M)

UNIT-IV

4.a)	Explain Heisenberg Uncertainty Principle?	(4M)
4.b)	Derive Schrodinger's Time independent Wave Equation?	(10M)
	(OR)	
4.c)	Explain the concept of Fermi Energy?	(4M)
4.d)	Explain the Postulates, Merits and Demerits of Classical free electron theory?	(10M)

UNIT-V

5.a)	Explain the concept of hole?	(4M)
5.b)	Discuss the Kronig Penny model for the motion of an electron in a periodic potential?	(10M)
	(OR)	
5.c)	Distinguish between intrinsic and extrinsic semiconductors?	(4M)
5.d)	Derive an expression for the carrier concentration in intrinsic semiconductor?	(10M)

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Course Code: 20BS2T07

BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE: ODALAREVU
(AUTONOMOUS)

I B.Tech II-Semester Supplementary Examinations (BR20), June-2026

APPLIED CHEMISTRY
[Common to EEE, ECE, CSE (AI&ML)]

Time: 3 hours Max. Marks: 70M

Question paper consists of FIVE units, each carrying 14 marks
Each unit has TWO questions, either of them should be answered
All parts of question must be answered at one place

UNIT-I

1.a)	Write a short note on LCAO method. Explain the magnetic nature of H_2^+Ion.	(7M)
1.b)	Draw the molecular orbital diagram of O_2 molecule and explain its paramagnetic property.	(7M)
	(OR)	
1.c)	Explain M.O theory and its applications	(7M)
1.d)	Explain the Factors Effecting the Crystal Field Splitting	(7M)
	UNIT-II	
2.a)	Explain the Factors Influencing the Chemical Shift	(7M)
2.b)	Explain electronic transitions taking place in UV spectroscopy	(7M)
	(OR)	
2.c)	Explain splitting of NMR signals.	(7M)
2.d)	Write short notes on Shielding and De- Shielding.	(7M)
	UNIT-III	
3.a)	Describe the Ion-Exchange process of softening of hard water with neat sketch	(7M)
3.b)	Explain Reverse Osmosis desalination process with neat sketch	(7M)
	(OR)	
3.c)	Explain the following boiler troubles (i) Scale and Sludge formation(ii) Boiler Corrosion	(7M)
3.d)	Describe the Zeolite process for softening of hard water with neat sketch	(7M)
	UNIT-IV	
4.a)	Explain the Factors that are influencing Rate of Corrosion	(7M)
4.b)	Explain the mechanism of Electrochemical corrosion.	(7M)
	(OR)	
4.c)	What are reversible batteries and explain with an example.	(7M)
4.d)	Explain the construction and working of calomel electrode.	(7M)
	UNIT-V	
5.a)	Write the preparation, properties and uses of Poly carbonates.	(7M)
5.b)	Summarize the differences between Thermoplastics and Thermosetting plastics	(7M)
	(OR)	
5.c)	Explain Transmission Electron Microscopic method with neat diagram.	(7M)
5.d)	How Setting and Hardening process of takes place in Cement	(7M)

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(AUTONOMOUS)

I-B.Tech II-Semester Supplementary Examinations (BR20), JUNE – 2026

ENGINEERING MECHANICS

(Civil / ME)

Time: 3 hours **Max. Marks: 70**

Question Paper consists of **FIVE** units, each carrying 14 marks
Each unit has **TWO** questions; either of them should be answered
All parts of a question must be answered at one place

1. a) What do you mean by coplanar concurrent force system? Explain with suitable example. [4]
1. b) If the X component is as shown in figure 1 of P is 893 N, determine P and its Y component. [10]

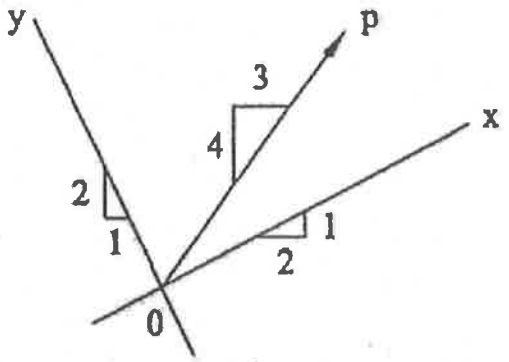


Fig: 1

(OR)

1. c) Forces 30KN,40KN, 50KN and 60KN are concurrent at the point O(1,2,3) and are directed through M(6,3,-2); N(-4,-2,5); P(-3,2,4) and Q(4,-3,6) respectively. Determine the resultant and inclinations of the system. [14]

2. a) A load of 60kN is to be resisted by means of a shear leg arrangement as shown in Fig: 2. Determine forces in legs AB, AC and rope AD. [14]

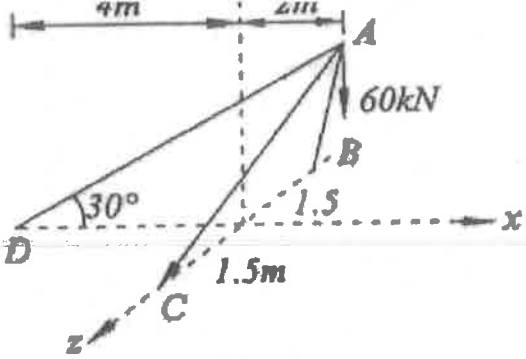


Fig: 2

(OR)

2. b) Derive the resultant of parallelogram of forces? Determine the resultant R by the forces P= 60KN, Q= 80KN angle between the forces 20°. [14]

3. a) Find the centroid of the plane lamina shown in Fig:4. [14]

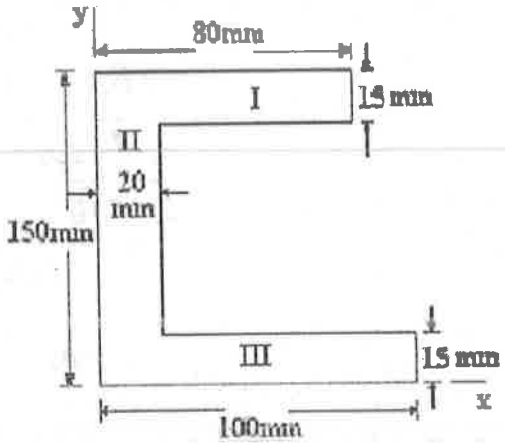


Fig:4

(OR)

3. c) Explain types of friction with examples. [4]

3.d) Two equal bodies A and B of weight 'W' each are placed on a rough inclined plane. The bodies are connected by a light string. If $\mu_A = 1/2$ and $\mu_B = 1/3$, show that the bodies will be both on the point of motion when the plane is inclined at $\tan^{-1}(5/12)$. [10]

4.a) Determine Moment of Inertia of Right angle triangle of base 'b' and height 'h about the centroidal XX and YY axes. [14]

(OR)

4.c) Determine Moment of Inertia of a cylinder shaft of 120mm diameter and 1.75 m height about the center of gravity XX , YY ZZ axes (given $\rho = 8000 kg/m^3$). [7]

160mm height with respect to center of gravity axes.(given $\rho = 2560$ kg/m^3). [7]

5. a) The rotation of a fly wheel is governed by the relation $\alpha = 10t - t^2$ where α is in radians/s^2 and t is in seconds. How many revolutions will the flywheel make, starting from rest, before it momentarily stops prior to reversing its direction? [14]

(OR)

5. c) Two bodies of weight $W_A = 800$N and $W_B = 400$N are connected to the two ends of light inextensible string, passing over smooth pulley. The weight W_A is placed on rough horizontal surface whose coefficient of friction is 0.25 and W_B is hanging vertically in air. If the system is released from rest and block 'B' falls through a vertical distance of 2.0m, determine the velocity attained by 'B'. [14]

Course Code: 20ES2T07

BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE::ODALAREVU
(AUTONOMOUS)
I-B. Tech II-Semester Supplementary Examinations (BR20), JUNE - 2026
Programming for Problem Solving using Python (ECE,EEE)

Time: 3 hours **Max. Marks: 70**

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*Question Paper consists of **FIVE** units, each carrying 14 marks*
*Each unit has **TWO** questions; either of them should be answered*
All parts of a question must be answered at one place

UNIT-I

1.a)	Write about Features of Python and give a brief history of python	(7M)
1.b)	Write a Python program to Calculate the simple interest on Rs. 8000 for 15 months at 6 paise per rupee per month.	(7M)

(OR)

1.c)	Write the steps , setting up path for python in Windows and Linux Environment	(7M)
1.d)	Write about keywords, multiline statements and quotations in python.	(7M)

UNIT-II

2.a)	Write about Data types in Python.	(7M)
2.b)	Write about implicit and explicit type conversion with examples.	(7M)

(OR)

2.c)	Write about Membership, Identity and Bitwise Operators in Python.	(7M)
2.d)	Write a Python program to implement logical operators.	(7M)

UNIT-III

3.a)	Write about conditional statements in Python.	(7M)
3.b)	Write a Python program to find biggest of given 3 numbers.	(7M)

(OR)

3.c)	Explain different types of Loops in Python.	(7M)
3.d)	Write a Python program to find Factorial of a given number	(7M)

UNIT-IV

4.a)	Write about List and Dictionary Data Structures	(7M)
4.b)	Write about Strings and Comprehensions	(7M)

(OR)

4.c)	Differentiate pass by reference and pass by value with example programs.	(7M)
4.d)	Write about Function arguments.	(7M)

UNIT-V

5.a)	Write about Object oriented terminologies.	(7M)
5.b)	Write a python program to create a class student, having attributes as no and name then define methods as set and show with relevant code.	(7M)

(OR)

5.c)	Explain class Inheritance	(9M)
5.d)	Write about Built-in Class Attributes.	(5M)

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BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE::ODALAREVU
(AUTONOMOUS)
I-B.Tech II-Semester Supplementary Examinations (BR20), June- 2026
Programming for Problem solving II
(CSE& ALLIED BRANCHES)

Time: 3 hours **Max. Marks: 70**

Paper consists of five units, each consisting of 14 Marks
Each unit has two questions, either of them should be answered
All parts of them should be answered at one place

1a	Explain Towers of Hanoi problem with example? Write a recursive algorithm?	10M
1b	Explain Binary search operations?	4M
	Or	
1c	Explain Quick sort algorithm with example	7M
1d	Explain insertion sort and selection-heap sort with example	7M
	Or	
2a	What is Stack? Explain the implementation of stacks using linked lists? Write the pseudo code for PUSH and POP operations on the Stack?	14M
	Or	
2c	What is priority Queue? Explain the implementation of Priority queue? Write an algorithm for operations on Priority queues?	14M
	Or	
3a	Explain and write pseudo code for creation, insertion and deletion operations on circular linked list?	14M
	Or	
3c	What is Double linked list? Describe creation and operations of Double linked list?	14M
	Or	
4a	Explain the Insertion and deletion operations on the Binary Search Tree?	7M
4b	Explain the properties and applications of binary search trees?	7M
	Or	
4c	Explain the Threaded binary trees?	7M
4d	Explain Binary tree traversal methods (inorder ,preorder and postorder) with example?	7M
	Or	
5a	What is Graph? Explain two representation methods of graph? Brief Insertion and deletion of vertices and edges to the graph?	14M
	Or	
5c	Write an algorithm for BFS and DFS? Trace with an example?	14M

(AUTONOMOUS)

I-B. Tech II-Semester Supplementary Examinations (BR20), June - 2026

ENGINEERING DRAWING

(EEE/CSE/ CSE (AI&DS)/AI&ML/CSE (AI&ML))

Time: 3 hours **Max. Marks: 70**

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*Question Paper consists of **FIVE** units, each carrying 14 marks*
*Each unit has **TWO** questions; either of them should be answered*
All parts of a question must be answered at one place

UNIT-I

1.a) Draw an epicycloid of a circle of diameter 50mm which rolls outside a circle of diameter 150 mm for one revolution also draw a tangent and normal to epicycloid at appoint 110mm from the centre of directrix circle. (14M)

(OR)

1.c) Construct on involute curve for a square of side 40mm. and also draw tangent and normal at a distance of 70mm from centre of the square. (7M)

1.d) Draw a parabola of base 120mm and axis 80mm by rectangular method. (7M)

UNIT-II

2.a) A straight line PQ as its end P is 20 mm above H P and 30 mm infront of V P and the end Q is 80 mm above H P and 70mm V P .if the end projections are 60 mm apart draw the projections of the line determine the true length and true inclinations with the reference plane. (14M)

(OR)

2.c) Draw the projections and find out the true length of a line AB with end B on the H P and 40 mm in front of V P ,AB is inclined at 30° to H P and 45° to V P and its plan view measures 550mm . (14M)

UNIT-III

3.a) A square ABCD of 50 mm side has its corner A in the H.P., its diagonal AC inclined at 30° to the H.P. and the diagonal BO inclined at 45° to the V.P. and parallel to the H.P. Draw its projections. (14M)

(OR)

3.c) A circular plate of negligible thickness and 50 mm diameter appears as an ellipse in the front view, having its major axis 50 mm long and minor axis 30 mm long. Draw its top view when the major axis of the ellipse is horizontal. (14M)

UNIT-IV

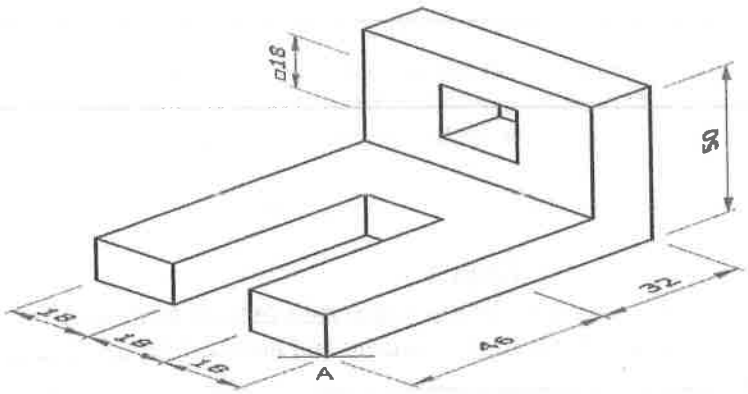
4.a) Draw the projections of a cone, base 45 mm diameter and axis 50 mm long, when it is resting on the ground on a point on its base circle with (a) the axis making an angle of 30° with the H.P. and 45° with the V.P. (14M)

(OR)

4.c) A regular pentagonal pyramid, base 30 mm side and height 80 mm rests on one edge of its base on the ground so that the highest point in the base is 30 mm above the ground. draw its projection when the axis is parallel to the V.P. (14M)

UNIT-V

5.a) Draw the top view, front view and any one side view of the figure shown below.. Any missing dimension may be suitably assumed.



(14M)

(OR)

5.c) A square prism of base side 50 mm. axis 80 mm is lying on its base on the ground .a triangle pyramid of base 30 mm and height 50 mm is resting centrally on top of it. Draw its isometric projection. (14M)

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