O.P.Code: 18CE0101 **R18** H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B.Tech. I Year I Semester Supplementary Examinations October/November-2025 ENGINEERING MECHANICS

(Common to CE, ME, AGE)

Time: 3 Hours

Max. Marks: 60

(Answer all the Questions $5 \times 2 = 10$ Marks)

What is Angle of Friction? What are the different types of Supports?

Define Centroid

C03 C02

2M 2M 2M

C01

CO5 C04

2™ 2™

Define Moment of inertia.

What is meant by perfect frame?

PART-B

(Answer all Five Units $5 \times 10 = 50$ Marks)

Classify different system of forces with suitable examples. The resultant of the two forces, when they act at an angle of 600 is 14 N. If C01 C01

12

5M

Determine the magnitude of the two forces. the same forces are acting at right angles, their resultant is $\sqrt{137}$ N.

OR

State and prove Lami's theorem. Explain free body diagram with example

UNIT-II

Explain Cone of Friction with a neat sketch

State laws of friction.

Ç)

C02

LI

 L_2

SM SM

C01 C01

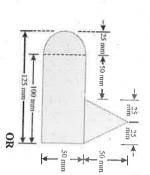
L1

5M

L2

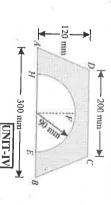
of the body and the coefficient of friction. N inclined at 30° to the plane just moved the body. Determine the weight inclined at 30° to the plane just to move it. It was found that a push of 220 A body, resting on a rough horizontal plane, required a pull of 180 N OR C02 L3 10M

are in mm triangle. Determine the center of gravity of the lamina. All dimensions A uniform lamina shown in Fig. consists of a rectangle, a circle and a CO3 L3 10M

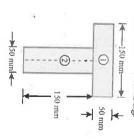


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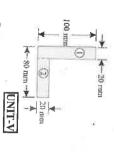
Fig. Find the position of the Centre of gravity of the figure A semicircle of 90 mm radius is cut out from a trapezium as shown in CO3 L3 10M



center of gravity of the section as shown in fig. mm and web as 150 mm × 50 mm about X-X and Y-Y axes through the Find the moment of inertia of a T-section with flange as 150 mm \times 50 CO4 L3 10M



Find the moment of inertia about the centroidal X-X and Y-Y axes of the CO4 L3 angle section shown in Fig 10M



of joints. Explain the procedure to find forces in members of truss by using method CO5 L2 10M

CO5

L3

10M

11

10

Find the forces in the members of a truss as shown in fig *** END *** NAOE

O.P.Code: 18HS0835 R18 H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B.Tech. II Year I Semester Supplementary Examinations October/November-2025 PROBABILITY & STATISTICS

Time: 3 Hours (Common to ME, CSE & CSIT) Max. Marks: 60

State Bayes theorem Define Binomial distribution. (Answer all the Questions $5 \times 2 = 10$ Marks) C01

C04 C03

L₂

CO5

Write normal equations to y=ax+b

Write the formulas for correlation, rank correlation

Define Student's t-test.

(Answer all Five Units $5 \times 10 = 50$ Marks)

LINUT-I

A class consists of 6 girls and 10 boys. If a committee of 3 is chosen at (ii) exactly 2 girls are selected random from the class, Find the Probability that (i) 3 boys are selected C01 L3 **5**M

Two cards are selected at random from 10 cards numbered 1 to 10. Find together. (ii) The two cards drawn one after other with replacement the probability that the sum is even if (i) the two cards are drawn CO1 E3

5M

CO1

L3

10M

بن A random variable X has the following probability function

				}	}		((1)
7k ² +k	2K2	χ ₂	끚	2	2	~	0	P(x)
7	6	5	4	ယ	2	_	0	×

Determine (i) K (ii) Evaluate P(X>6) and P (0<X<5)

(iii) if $P(X \le K) > 1/2$, find the minimum value of K (iv) variance

Out of 800 families with 5 children each, how many would you expect to have (i) 3 boys (ii) 5 girls (iii) either 2 or 3 boys. Assume equal probabilities for boys and girls C02 L25M

i) at least once (ii) P(1<X<5). Two dice are thrown five times. Find the probability of getting 7 as sum C02 L S

Find the mean and variance of a Normal distribution in which 7% of items are under 35 and 89% are under 63 C02 L3

L3

5₹

10M

Find arithmetic mean to the following data using step deviation method Frequency 10-20 20-30 30-40 25 22 40-50 50-60 10 CO3

> Obtain the rank correlation coefficient for the following data: Find the median to the following data It is claimed that a random sample of 49 tyres has a mean life of 15200 Fit a second degree polynomial to the following data by method of least Find two regression equations from the following data km. This sample was drawn from a population whose mean is 15150kms and standard deviation of 1200 km. Test the Significance at 0.05 level. 0 62 89 56 10 2 1.8 58 64 64 25 1.3 00 00 68 75 2.5 63 34 45 50 12 Ξ 6.3 58 42 81 64 20 14 80 60 37 73 UNIT-IV 10 17 68 75 75 35 48 40 6 20 82 36 50 55 W 23 77 25 70 2 C04 04 CO3 CO3 CO3 L3 CO5 15 L3 L3 L3 L4 5M 10M 10M 5**M** 10M5M

10 wives, an investigator took a sample of 10 couples and administered them To examine the hypothesis that the husbands are more intelligent than the

a test which measures the I.Q. The results are as follows: Husbands 106 | 98 105 | 97 87 | 104 | 116 105 109 86 95 | 90 69 108 103 107 85

sex and nature of work. Test whether the nature of work is independent of The following table gives the classification of 100 workers according to C05 L4

10M

11

the worker (ψ 2 = 3.84 at 1d.f) Females Males Total Stable 40 50 10 Unstable 50 30 20 Total 60 40 100

*** END ***

O.P.Code: 18CS0515

R18

H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B.Tech. III Year I Semester Supplementary Examinations October/November-2025 COMPUTER NETWORKS

(Computer Science & Engineering)

Tim	e: 3	3 Hours	Max.	Mark	s: 60
		PART-A			
		(Answer all the Questions $5 \times 2 = 10$ Marks)			
1	a	List the layers in OSI reference model.	CO1	L1	2M
	b	State the process of Stop and Wait ARQ.	CO ₁	L1	2M
	c	Describe about dynamic routing algorithm.	CO ₃	L2	2M
	d	Distinguish between contention and congestion.	CO ₄	L4	2M
	e	Sketch TCP segment header.	CO ₅	L3	2M
		PART-B			
		(Answer all Five Units $5 \times 10 = 50$ Marks)			
		UNIT-I			
2	a	Tell in detail about twisted pair cable working.	CO1	L5	5M
		Briefly explain about Coaxial cable.	CO ₁	L2	5M
		OR			
3	a	Summarize various network types.	CO ₁	L5	5M
		Illustrate the architecture of Internet.	CO ₁	L4	5M
		UNIT-II			
4		Discuss bit-oriented HDLC Protocol with the elaborative explanation of	CO ₂	L2	10M
		its frames.	002		101/1
		OR			
5		Relate and explain Pure ALOHA and slotted ALOHA protocols.	CO ₃	L5	10M
		UNIT-III			
6	9	Calculate the Shortest Path Algorithm considering an example.	CO3	L3	7M
U		Explain Flooding concept.		L3 L2	3M
	U	OR	COS		3111
7		Sketch and explain in detail about IPV4 protocol.	CO3	L3	10M
		UNIT-IV	005	LU	10111
8	9	List the transport service primitives.	CO4	L1	3M
o		Explain about the elements of transport layer.			
	U	OR	CO4	L2	7M
9	a	Explain the TCP protocol with neat sketch.	CO4	т э	5M
,		Write in detail about User Datagram Protocol (UDP).		L2	5M
	b		CO4	L3	5M
10		UNIT-V	CO.		
10		List out the four main properties of HTTP.	CO5		5M
	b	Illustrate in detail about function and structure of e-mail protocol.	CO ₅	L3	5M
4.4		OR	~~~	T .	
11		Write about static web pages.		L3	5M
	b	Explain about dynamic web pages.	CO5	L2	5M
		*** END ***			

WC

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			-				4				C)				23						14		_			Ħ	н		15	1
d	52		22			d	20			6	್ರಜ			Ь	20				e	Ь	c	Ь	22			0	3.7		ြင့်	Г
Write about the classification of bottom channel slope.	after the jump and energy loss.		A hydraulic jump forms at the downstream end of spillway carrying	OR .	sketches?	What are the different types of hydraulic jump and explain with neat	What is hydraulic jump and what are the assumptions of hydraulic jump.	UNIT-II	condition for critical depth.	Explain the term specific energy of a flowing liquid and derive the	Derive the condition for a rectangular channel to be most efficient.	OR .	terms of side slope.	Determine the expression for the most economical trapezoidal section in	Derive an expression for maximum velocity of flow through a circular section.	UNIT-1	(Answer all Five Units $5 \times 10 = 50 \text{ Marks}$)	PART-B	What is the purpose of draft tube in the turbine?	What is meant by priming of a pump?	State the angular momentum principal.	Explain about various applications of hydraulic jump.	Define specific energy?	(Answer all the Questions $5 \times 2 = 10 \text{ Marks}$)	PART-A	Time: 3 Hours (Civil Engineering)	B.Tech. III Year I Semester Supplementary Experimentations October/November-2025	SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR	O.P.Code:18CE0114 R18 H.T.No. H.T.No.	
C02			C02	2		C02	C02			C01	C01		V (#)	CO1	C01				C05	C04	CO3	C02	C01		TATAL A	3	lovem	: PUT		
<u> </u>			L3			L1	L1			Ŀ2	L3			L2	11	2	59						[]	×			ber-2	TUR	Н	
5M		0	5M			SM	5M		74	5M	5M	60		5M	5M	-			2M	2M =	2M	2M	2M		MATERIS: 60		025		L.I	-

UNIT-III

A jet of water of diameter 75mm moving with a velocity of 30m/s, strikes a CO3 L3 10M curved fixed plate tangentially at one end at an angle of 30° to the horizontal. The jet leaves the plate at an angle of 20° degrees to the horizontal. Find the force exerted by the jet on the plate in the horizontal and vertical direction.

0

Obtain the condition for the jet when it strikes the curved plate at one end CO3 L3 10M tangentially when the plate is symmetrical

\[
\begin{align*}
\text{UNIT-IV}
\end{align*}
\]
What is centrifugal pump? Explain the parts of centrifugal pump with neat CO4 L1 10M

OR

Explain the different types of hydraulic similarities that must exist between a CO4 L2 10M prototype and its model.

UNIT-V

a (i) Define (i)speed ratio (ii) Flow ratio (iii) Diameter of turbine (iv)Radial COS L2 5M discharge.

to a hydraulic turbine. And also derive the expression for these terms.

b Define the term unit power, unit speed and unit discharge with reference CO5 L2 · 5M

a What are the uses of draft tube? Describe with neat sketches different COS L1 5M types of draft tube.

b What is specific speed, derive the equation for specific speed.

*** END ***

Page 1 of 2

Q.P.Code:18CS0516

R18

H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B.Tech. III Year I Semester Supplementary Examinations October/November-2025 DESIGN AND ANALYSIS OF ALGORITHMS

(Common to CSIT & CSE)

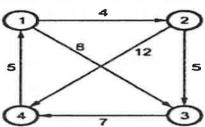
Tim	e: 3	3 Hours									Max.	Mark	s: 60
						PA	RT-A						
				(Answ	er all th	ne Ques	stions 5	x 2 =	10 Mar	ks)			
1	a	What is a	n algorithm?								CO ₁	L1	2M
	b	Define th	e divide and c	onquer	metho	d.					CO ₂	L1	2M
	c	Define op	otimal solution	1.							CO ₃	L1	2M
	d		raph coloring								CO4	L1	2M
	e	What is N	Non-determini	stic alg	orithm'	?					CO5	L1	2M
							RT-B						
				(Ansv	ver all l			10 = 5	0 Mark	s)			
						UI	NIT-I						
2	a	What is a examples	asymptotic no ?	tation?	^o Expla	in diff	erent ty	pes o	f notati	ons with	CO1	L2	5M
	b	Apply the	Master's the	orem. S	Solve th	ne follo	wing R	ecurre	nce rela	itions			
		i) T(n) = i	4T(n/2) + n i0	00i) T((n) = 27	$\Gamma(n/2) +$	nlog 1	n			CO ₁	L3	5M
							OR						
3			e in steps of U			_			-		CO ₁	L5	5M
	b		isjoint sets. E	xplain	differe	ent type	es of d	isjoint	sets o	perations	CO ₁	L2	5M
		with exan	nples.			_							
							II-II						
4	a		records with t		_				ascendi	ing order	CO ₂	L2	5M
			ck sort algorith								~~~		
	b		divide and co	_		-			_		CO ₂	L2	5M
		_	earch and find					•	_				
		binary sea	: { 10, 20,	30,40,.	0, 00,	70}. A	maryze	tillie	compr	exity for			
		omary see	ircii.				OR						
5	a	Explain t	he Strassen's	algori	thm for			iplicati	ion and	analyze	CO2	1.5	5M
		time com		8				- Jo - 1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4			002		0111
	b	-	algorithm for t	techniq	ues of	binary	trees w	ith exa	mples.		CO ₂	L3	5M
							IT-III		1				
6	Я	Elaborate	job sequencia	no with	ı deadl			oreed	v metho	nd where			
v	••		jobs, their d										
			maximum ear				Par		o bile				
								,		i			
			Jobs	J1	J2	J3	J4	J5	J6		CO ₃	L6	5M
										l .			

Jobs	J1	J2	J3	J4	J5	Ј6
Deadlines	5	3	3	2	4	2
Profits	300	180	190	300	120	100

b Explain any one application of greedy method with an example.

CO3 L2 5M

7 a Construct an algorithm for All pairs of shortest path and calculate shortest CO3 L6 6M path between all pairs of vertices by using dynamic programming method for the following graph.



		4 3			
	b	Build any one application of dynamic programming with an example. UNIT-IV	CO3	L6	4M
8	a	Discuss the Hamiltonian cycle algorithm with step by step operation with			
		example.	CO ₄	L6	6M
	b	Give brief description about the general method of branch and bound.	CO4	L2	4M
		OR			
9	a	Select any one application of backtracking with an example.	CO ₄	L3	5M
	b	Distinguish in detail 8-queens problem using back tracking with state	CO4	L4	5M
		space tree.			
		UNIT-V			
10	a	Construct any two non-deterministic algorithms with example.	CO ₅	L3	5M
	b	Explain the class of P and NP with example.	CO ₅	L2	5M
		OR			
11	a	State and explain cook's theorem.	CO ₅	L2	5M
	b	Determine the classes NP-hard and NP-complete problem with example.	CO ₅	L5	5M
		*** END ***			

O.P.Code: 18HS0813

R18

H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B.Tech. IV Year I Semester Supplementary Examinations October/November-2025 MANAGEMENT SCIENCE

(Common to CSE, CSIT, ECE)

Time:	3	Hours (Common to CSE, CSI1, ECE)	ax. Ma	rks: (50
		PART-A		LIG.	
		(Answer all the Questions $5 \times 2 = 10$ Marks)			
1	a	Define Contingency Theory.	CO1	L2	2M
	b	What is marketing mix?	CO ₂	L1	2M
	c	Discuss Job analysis.	CO ₃	L2	2M
	d	Explain about SWOT analysis.	CO4	L1	2M
	e	Write about MRP.	CO5	L2	2M
		PART-B			
		(Answer all Five Units $5 \times 10 = 50$ Marks)			
		UNIT-I			
2		Define and explain in the management and its various functions.	CO ₁	L1	10M
		OR			
3	a	Briefly explain the Weber "s Ideal Bureaucracy.	CO1	L2	5M
	b	Examine line & staff organization structure.	CO1	L4	5M
		UNIT-II			
4		Discuss and Explain the various types plant layout with suitable examples.	CO ₂	L2	10M
		OR			
5	a	Elaborate the ABC analysis and derive algebraic model of EOQ.	CO ₂	L3	5M
	b	Explain the stages in Product Life Cycle in brief.	CO ₂	L2	5M
		UNIT-III			
6		Define HRM. Explain and its functions.	CO ₃	L2	10M
		OR			
7	a	Discuss the wage and salary administration	CO ₃	L2	5M
	b	Evaluate on-the job training	CO ₃	L3	5M
		UNIT-IV			
8		Discuss about environmental scanning and explain the process of	CO4	L2	10M
		environmentalscanning.			
		OR			
9		Explain and illustrate what you understand by network analysis. How	CO ₄	L2	10M
		would youcompare PERT with CPM?			
		UNIT-V			
10		Business Process Reengineering deals with the restructuring the processes	CO ₅	L4	10M
		associated with the products or services'. Do you agree? Illustrate.			
		OR			
		What is Business Process Outsourcing? Explain its types in brief.	CO ₅	L1	5M
		What is knowledge management? Explain Its importance and models of	CO5	L1	5M
		KM.			
		*** END ***			

Q.P.Code: 18CS0535

R18

H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B.Tech. IV Year I Semester Supplementary Examinations October/November-2025
ARTIFICIAL INTELLIGENCE & MACHINE LEARNING
(Common to CSE & CSIT)

_	(Common to CSE & CSII)			0.
`im		Ma	x. Ma	arks: 60
::				
_			L1	2M
b		CO ₂	L1	2M
c	-	CO ₃	L1	2M
d		CO4	L1	2M
e	Give some example for reinforcement learning.	CO ₅	L1	2M
	<u>PART-B</u>			
	(Answer all Five Units 5 x $10 = 50$ Marks) UNIT-I		ii's	
	Explain the components of problem definition with an example.	CO1	L .1	10M
	OR			20172
a	Compare and contrast various problem solving approaches to typical AI problems.	CO1	L4	5M
b	Predict and analyse future application areas of Artificial Intelligence. UNIT-II	CO1	L5	5M
a	Describe briefly about problem solving agents with basic algorithm.	CO ₂	L3	5M
b		CO ₂		5M
	OR		10	
	Anlyze the alpha – beta pruning with appporpriate examples.	CO3	L4	10M
		~~~	8	
		CO ₃	L2	_ 10M
		G00	~ ~	405-
		CO3	L2	10M
		2 1		
		CO ₄	L2	10M
	Illustrate the mixtures of latent variable models.  UNIT-V	CO4	L2	10M
	State and explain non parametric density estimation.	CO5	L3	10M
	OR			AUTTE.
		CO5	<b>L2</b>	10M
	a b c d e b a b	(Answer all the Questions 5 x 2 = 10 Marks)  a Mention the categorization of intelligent systems.  b What is goal formulation?  c What is training data?  d Differentiate between supervised learning and unsupervised learning.  e Give some example for reinforcement learning.  PART-B  (Answer all Five Units 5 x 10 = 50 Marks)  UNIT-I  Explain the components of problem definition with an example.  OR  a Compare and contrast various problem solving approaches to typical AI problems.  b Predict and analyse future application areas of Artificial Intelligence.  UNIT-II  a Describe briefly about problem solving agents with basic algorithm.  b State and explain in detail about optimization problems.  OR  Anlyze the alpha – beta pruning with appporpriate examples.  UNIT-III  Explain in detail about back propagation algorithm.  OR  Describe in detail about Vapnik-Chervonenkis Dimension.  UNIT-IV  Explain in detail about K-Means algorithm.  OR  Illustrate the mixtures of latent variable models.  UNIT-V  State and explain non parametric density estimation.	Answer all the Questions 5 x 2 = 10 Marks)  a Mention the categorization of intelligent systems.  b What is goal formulation?  c What is training data?  d Differentiate between supervised learning and unsupervised learning.  e Give some example for reinforcement learning.  CO5  PART-B  (Answer all Five Units 5 x 10 = 50 Marks)  UNIT-I  Explain the components of problem definition with an example.  CO1  OR  a Compare and contrast various problem solving approaches to typical AI problems.  b Predict and analyse future application areas of Artificial Intelligence.  UNIT-II  a Describe briefly about problem solving agents with basic algorithm.  b State and explain in detail about optimization problems.  OR  Anlyze the alpha – beta pruning with appropriate examples.  OR  Describe in detail about Vapnik-Chervonenkis Dimension.  UNIT-IV  Explain in detail about K-Means algorithm.  OR  Illustrate the mixtures of latent variable models.  UNIT-V  State and explain non parametric density estimation.  OR  OR  CO3  UNIT-V  State and explain non parametric density estimation.  CO5	A Mention the categorization of intelligent systems.  CO1 L1  B What is goal formulation?  CW Hat is training data?  CW What is training data?  CW What is training data?  CW Hat is training data?  CW L1  CW L1  CW Hat is training data?  CW L1  CW Hat is training data?  CW L1  A Co1 L4  problems.  CW L3  CW L3  CW L4  CW L1  CW L3  CW L4  CW L4  CW L4  CW L1  CW L4  CW

*** END ***

O.P.Code: 18CS0538

R18

H.T.No.

## SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

#### B.Tech. IV Year I Semester Supplementary Examinations October/November-2025 BIG DATA ANALYTICS

	(Computer Science & Engineering)			
Tin	ne: 3 Hours	Max.	Mark	s: 60
	PART-A			
	(Answer all the Questions $5 \times 2 = 10$ Marks)			
1	a Define big data.	CO1	L1	2M
	<b>b</b> What is name node and data node.	CO ₂	L1	<b>2M</b>
	c Define MapReduce.	CO3	L1	2M
	d Illustrate and Give two examples of user defined functions.	CO4	L2	<b>2M</b>
	e What is Hbase.	CO5	L1	<b>2M</b>
	PART-B			
	(Answer all Five Units $5 \times 10 = 50 \text{ Marks}$ )			
	UNIT-I	G 0.4		407-
2	Discuss Big Data in terms of three dimensions, volume, variety and velocity.	CO1	L1	10M
	OR			
3	Illustrate in detail about Hadoop streaming.	CO1	L2	10M
	UNIT-II			
4	Describe the File read and File write operations in HDFS	CO ₂	L1	10M
	OR			
5	Explain in detail about File Based Data structures.	CO2	L2	10M
	UNIT-III			
6	Describe the Shuffle and Sort operations in Map side and Reduce side.	CO3	L1	10M
	OR			
7	Explain the different types of output formats in MapReduce.	CO3	L2	10M
	UNIT-IV			
8	Compare the PIG with Databases with an Example	CO4	Ι2	10M
o	OR	CO4		10141
0	Explain about Arithmetic Operators in Pig Latin.	CO4	т 2	10M
9		CO4	LZ	TOIAT
	UNIT-V			
10	Describe about Hive architecture and its components.	CO5	L1	10M
	OR			
11	What are the advantages of Hive over traditional databases?	CO5	L1	10M
	*** END ***			

O.P.Code: 18CS0542

R18

H.T.No.

# SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

# B.Tech. IV Year I Semester Supplementary Examinations October/November-2025 CYBER SECURITY

	(Common to CSE, CSIT)	-	-	
Ti	me: 3 Hours	Max	Mar	ks: 60
	<u>PART-A</u>	ě		
	(Answer all the Questions $5 \times 2 = 10$ Marks)		25	
1	a What are Cyber Crimes and How these crimes can be minimized?	CO1	L1	<b>2M</b>
	<b>b</b> List out the phases involved in planning Cyber Crime.	: CO2	L1	<b>2M</b>
	c Define Spoofed Policy Development Process.	CO ₃	L1	<b>2M</b>
	d What is the role of Proxy Servers and Anonymizers in Phishing.	CO4	<b>L4</b>	<b>2M</b>
	e What are the consequences of cybercrimes.	CO ₅	L2	2M
	PART-B			
	(Answer all Five Units $5 \times 10 = 50$ Marks)			- × ,
	UNIT-I	0	* 8	×
2	a Analyze about the Global perspective of Cyber Crime.	CO1	L1	5M
	b Summarize about cybercrime in "the legal perspective"	CO1	L1	5M
	OR			0111
3	Explain about Information Security Management related to Cyber Security	CO1	L1	10M
	in detail.	12		20112
	UNIT-II		100	
4	Discuss and Elaborate about Cyber Stalking with its types.	CO2	L6	10M
	OR	COZ	LU	101/1
5	a Show how botnet is created and brief its usage with clear description.	CO2	L2	5M
	b Discuss about the Fuel for Cybercrime in detail.	CO ₂	L6	5M
	UNIT-III	COZ	LU	SIVI ·
6	Compare Mishing, Smishing and Vishing in detail.	COS	T 0	403.5
	OR	CO ₃	L2	10M
7	a Select the appropriate techniques used in authentication service security.	* CO2	Υ. Α	2
	b List out few Tips to Secure your Cell/Mobile Phone from being	CO3	L3	5M
	Stolen/Lost.	CO ₃	L2	5M
	, a part of the second of the		8	
8	UNIT-IV	7/2	**************************************	F (#)
0	a Outline the purpose of proxy Server in detail.	CO4	L2	5M
	<b>b</b> Who are Anonymizers and how they get affected by scams in cybercrime?	CO4	L1	5M
9	OR			
9	How hacker use the SQL injections to hack the information. Summarize it.	CO4	<b>L2</b>	<b>10M</b>
	UNIT-V	4 - 5 -		12
10	Explain the IPR issues with appropriate laws related to it.	CO ₅	L2	10M
	OR		îi ,	
11	Explain social computing and associated challenges for organizations.	CO ₅	<b>L2</b>	10M
	*** END ***			

**O.P.Code:** 18HS0815

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H.T.No.

### SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

### B.Tech. IV Year I Semester Supplementary Examinations October/November-2025 ENTREPRENEURSHIP DEVELOPMENT

	(Open Elective-III)			
Tim	e: 3 Hours	Max.	Mark	s: 60
. 1	PART-A			
	(Answer all the Questions $5 \times 2 = 10$ Marks)			
1	a Define the Functions of an entrepreneur	CO1	<b>L2</b>	2M
$\times$	<b>b</b> Role of MSMEs-Discuss.	CO ₂	L1	2M
	c What is meant by an Invention?	CO ₃	L1 :	2M
	d What are the Sources of financing?	CO4	L2	<b>2M</b>
	e Define Project Life Cycle.		L2	<b>2M</b>
	PART-B			- 5
	(Answer all Five Units $5 \times 10 = 50$ Marks)			
22	UNIT-I			
2	a Do you think that entrepreneurs are supporting and developing the	CO1	<b>L5</b>	5M
ſ	economy of a country.	COI	LJ	JIVI
	b Briefly explain various types of entrepreneurs.	CO1	L2	5M
	OR	COI		3111
3	Does the entrepreneurs requires intrapreneurial skills for running the	CO1	L4	10M
3	business successfully? Comment.	COI		TOM
+1	UNIT-II			
4		COO	T (	<b>53.6</b>
4	a Suppose Ms. Malvika wants to open a food joint, which form of business	CO ₂	<b>L6</b>	5M
	you would recommend to her and support your answer.	COO	т.	$\pi \not = \mathcal{K}$
	<b>b</b> Illustrate the problems of MSME.	CO ₂	L3	5M
7	OR	COO	T 4	107/
5	Examine the role of government in supporting MSMEs in India.	- CO2	L4	10M
	UNIT-III	-		
6	a Creativity and Innovation are interrelated or different. Comment.	CO ₃		5M
	<b>b</b> Examine the importance of Innovation in Entrepreneurship.	CO ₃	L4	5M
	OR	*		
7	Develop the consequence of Invention in Entrepreneurship.	CO ₃	L3	10M
	UNIT-IV		7.1	
8	a Construct the motivational factors influencing the entrepreneurs.	<b>CO4</b>	<b>L3</b>	<b>5M</b>
	<b>b</b> Outline the EDP and discuss its advantages.	CO ₄	L2	5M
	OR		**	
9	a What is the scope of entrepreneurship development in India?	CO4	L1	5M
	b Give your opinion about the various schemes offered by government for	CO4	<b>L4</b>	5M
	promoting Entrepreneurship in India.			
	UNIT-V			17.0
10	a Define project Management? Determine the stages of project	CO5	12	5M
10	management process.	CO3		3111
	b Make note on features of the Project.	CO5	T.3	5M
	OR	CO3	الابند	J171
11	a Describe about Project post Feasibility analysis.	CO5	L2	5M
11	b Write about Financial requirements for preparation of Project.	CO5	L2 L2	5M
	*** END ***	CO3	LL	J1 <b>V1</b>
	END			· 5 9.