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## PRESIDENCY UNIVERSITY

### **BENGALURU**

### **End - Term Examinations - MAY 2025**

**Date:** 20-05-2025 **Time:** 09:30 am – 12:30 pm

School: SOEProgram: CIV/PETCourse Code : MGT2015Course Name: ENGINEERING ECONOMICSSemester: VIMax Marks: 100Weightage : 50%

CO - Levels	CO1	CO2	CO3	CO4	CO5
Marks	11	26	28	35	-

#### **Instructions:**

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

# Part A Answer ALL the Questions. Each question carries 2 marks.

10Q x 2M=20M

1.	What is the origin of engineering economy?	2 Marks	L1	CO1
2.	Mention one difference between micro and macroeconomics.	2 Marks	L1	CO1
3.	State the Law of Supply.	2 Marks	L1	CO2
4.	State any two determinants of demand.	2 Marks	L1	<b>CO2</b>
5.	What are the four factors of production?	2 Marks	L1	CO3
6.	What is break-even point?	2 Marks	L1	CO3
7.	Expand the terms – CR, CM, SP, TR	2 Marks	L1	CO3
8.	What is the cost of money?	2 Marks	L1	CO4
9.	What is Future Value?	2 Marks	L1	CO4
10.	What is Rate of Return method?	2 Marks	L1	CO4

Part B

11. a. Discuss the major determinants of supply.  12. a. Explain the types of strategic engineering economic decisions.  13. a. What are the exceptions to the Law of Demand? Explain briefly.  14. a. Demand function: Qd=100-2P  14. a. Demand function: Qd=100-2P  15. a. A firm has the following cost data: TFC = ₹500, TVC = ₹1,500 for producing 100 units. Calculate AVC, AFC, and ATC.  16. a. Discuss the key characteristics of the four factors of production.  17. a. Explain the Payback Period method. What are its advantages and disadvantages?  18. a. Explain the Payback Period method. What are its advantages or Mark  19. a. Explain the importance of depreciation in engineering economics.  19. a. Discuss Present and Future Value with applications or Mark  Part C  Answer any Three Questions. Each question carries 15 marks  30:	s L2	2 CO1
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20. a. Discuss Present and Future Value with applications  Part C  Answer any Three Questions. Each question carries 15 marks  3Q 2	s L2	2 CO4
20. a. Discuss Present and Future Value with applications  Part C  Answer any Three Questions. Each question carries 15 marks  3Q 2		
Part C  Answer any Three Questions. Each question carries 15 marks 3Q x		
Answer any Three Questions. Each question carries 15 marks 3Q x	s L2	2 CO4
A company provides the following cost data for various output	15M	=45M
levels. Calculate and tabulate TFC, TVC, TC, AVC, AFC, ATC, and		
21. a. Output (units): 0.1.2.3.4 15 Mark	s L3	3 CO4
output (units): 0, 1, 2, 3, 4	LS	, (04
TVC: ₹0, ₹300, ₹500, ₹660, ₹800		
TFC = ₹200		
	s L3	CO2
22. a. Discuss the Law of Demand, its assumptions, and exceptions in 15 Mark		
22. a. Discuss the Law of Demand, its assumptions, and exceptions in detail with diagrams.		
detail with diagrams.	<u> </u>	
detail with diagrams.  detail with diagrams.  What is break-even analysis? Explain its assumptions, uses,  15 Mark	s L3	B CO3
detail with diagrams.  What is broak even analysis? Explain its assumptions uses	5 L3	3 CO3
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