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SRINIX COLLEGE OF ENGINEERING

2ND INTERNAL EXAMINATION-2021-22

Subject-**EE**

Semester-**3rd**

Branch-**MECHANICAL+CIVIL**

Full Mark-**100**

Time-**2.30Hrs**

ANSWER ALL QUESTIONS (PART-A)

[2X10=20]

1. What are the major problems of economy?
2. State money market?
3. What is GDP?
4. Describe Commercial Bank.
5. What is Depreciation?
6. What is P/V Ratio?
7. Explain National Income
8. Define Historical Cost .
9. What do you mean by Continuous Compounding?
10. What is Time Value Money?

ANSWER ANY EIGHT QUESTIONS (PART-B)

[6X8=48]

1. Explain the causes of Depreciation ?
2. Explain the Demand Pull & Cost Push Inflation with diagram.
3. Suppose a firm is operating under a perfectly competitive condition in the market in the short run. It has the following revenue & cost conditions:-

$$TR=12Q$$

$$TC=2+4Q+Q^2$$

4. Explain the difference between fixed cost & variable cost.

5. Distinguish between Macro Economics & Micro Economics.
6. Difference between IRR & NPV.
7. Explain the law of variable proportion.
8. Draw the even diagram with imaginary figures & Explain details of the BEP, MOS, Angle of incidence & their relevance.
9. Explain the exception of law of demand.

ANSWER ANY TWO QUESTION (PART-C)

[16X2=32]

1. Explain the functions of Central Bank.
2. The following costs & Sales of a manufacturing company for the first half & second half of 2018-19 are given:-

	1 st Half (RS)	2 nd Half(Rs)
Sales	24,00,000	30,00,000
Total Cost	21,80,000	26,00,000

You are asked to Determine :-

- (i) Contribution
- (ii) Annual Fixed Cost
- (iii) Break-Even-Point
- (iv) Margin of Safety as percentage of Sales

3. A person is planning for his retired life .He has 10 years of his service. He would like to deposit Rs.10,000 /-at the end of 1st year and thereafter he wishes to deposit the amount with an annual increase of Rs.5000/-for the next 9 years. The deposit will fetch him an interest rate of 12% compounded annually. Find the amount he would get from the bank on his retirement.

4. Why there is the need of Economics for Engineers? Discuss the nature & various applications of Engineering Economics.

