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Question Paper Code: 57902

B.E./B.Tech. DEGREE EXAMINATION, DEC 2021

Seventh Semester

Chemical Engineering

15UCH702 – CHEMICAL ENGINEERING PROCESS ECONOMICS AND INDUSTRIAL
MANAGEMENT

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. A micro-economics can be used as _____ CO1- R
 - (a) In data segment
 - (b) To represent directives
 - (c) To represent statements
 - (d) All of the mentioned
2. A failure analysis is a _____ cost. CO1- R
 - (a) Prevention cost
 - (b) Internal failure cost
 - (c) Appraisal cost
 - (d) External failure cost
3. _____ is required for preliminary studies of various aspects of a work or project. CO2- R
 - (a) Supplementary Estimate
 - (b) Plinth Area Estimate
 - (c) Revised Estimate
 - (d) Abstract Estimate
4. To make out an estimate for a work the following data are necessary- Drawing, Specification and _____ CO2- R
 - (a) Materials
 - (b) Rates
 - (c) Labours
 - (d) Transportation
5. _____ varies inversely with profitability CO3- R
 - (a) Liquidity
 - (b) Risk
 - (c) Blue
 - (d) False
6. Which of the following is not a forecasting technique? CO3- R
 - (a) Judgemental
 - (b) Time series
 - (c) Time horizon
 - (d) Associative

7. _____ of the profitability of the firm over a period of time such as a year. CO4- R
 (a) The balance sheet is a summary (b) The income statement is a summary
 (c) That statement of cash flows is a summary (d) The audit report is a summary
8. Liquid assets is determined by CO4- R
 (a) Current assets – stock - Prepaid expenses
 (b) Current assets + stock + prepaid expenses
 (c) Current assets + Prepaid expenses
 (d) None of the above
9. Evaporation in dairy industry is done under _____ CO5- R
 (a) Vacuum (b) Heater
 (c) Dryer (d) Pasteurizer
10. The _____ of a chemical company can be obtained directly from CO5- R
 balance sheet as the difference between current assets and current liabilities.
 (a) Cash ratio (b) Net working capital (c) Current ratio (d) Liquids assets

PART – B (5 x 2= 10Marks)

11. What are the types of organization? CO1- R
12. Define depreciation. CO2- R
13. Write the uses of sensitivity analysis. CO3- R
14. Define annual cost method. CO4- R
15. Write the essentials of economic balance. CO5- R

PART – C (5 x 16= 80 Marks)

16. (a) Explain about the elements of production control. CO1-U (16)
 Or
 (b) Discuss about the Microeconomics. CO1-U (16)
17. (a) Explain in detail the time value of money and its effect with CO2- U (16)
 increase in value.
 Or
 (b) Write a note on cost estimation and the types of cost. CO2- U (16)

18. (a) How will you measure profitability of an industry? CO3- U (16)
- Or
- (b) Explain the different methodologies for profitability with suitable examples? CO3- U (16)
19. (a) Explain about the principles of accounting. CO4- U (16)
- Or
- (b) Describe about the balance sheet. CO4- U (16)
20. (a) Explain about the Essential of Economic balance. CO5- U (16)
- Or
- (b) Describe about the Economic balance approach. CO5- U (16)

