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Question Paper Code: 57902

B.E./B.Tech. DEGREE EXAMINATION, DEC 2020

Seventh Semester

Chemical Engineering

15UCH702 – CHEMICAL ENGINEERING PROCESS ECONOMICS AND INDUSTRIAL
MANAGEMENT

(Regulation 2015)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. Which factor is the basis of Decision making in principle of management? CO1- R
(a) Facts only (b) Opinions only
(c) Facts and opinions both (d) Neither facts nor opinions
2. In a measuring system what is the term used to specify a difference between higher and lower calibration values? CO1- R
(a) Range (b) Span (c) Drift (d) Threshold
3. 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.
4. Heterogeneous cash flows can be made comparable by CO2- R
(a) Discounting technique (b) Compounding technique
(c) Either a or b (d) None of the above
5. The ratio of annual benefit from improvement to annual cost of the improvement is called _____ CO3- R
(a) Benefit (b) Cost (c) Benefit cost ratio (d) Maintenance cost

6. A FIFO replacement policy associates with each page the _____ CO3- R
 (a) time it was brought into memory (b) size of the page in memory
 (c) page after and before it (d) all of the mentioned
7. A balance sheet for an industrial concern shows CO4- R
 (a) The financial condition at any given time (b) Only current assets
 (c) Only fixed assets (d) Only current and fixed assets
8. 'The ideal level of liquid ratio is CO4- R
 (a) 3:3 (b) 4:4 (c) 5:5 (d) all of the above
9. Find one among the following which does not measure evaporator CO5- R
 performance
 (a) Steam Consumption (b) Amount of Vapour Produced
 (c) Economy (d) Amount of feed supplied
10. Evaporation in dairy industry is done under _____ CO5- R
 (a) Vacuum (b) Heater (c) Dryer (d) Pasteurizer

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Explain about the principle of management & organization. CO1-U (8)
12. Explain the concept of time value of money with suitable illustrations. CO2- U (8)
13. What is sensitivity analysis? Enumerate the steps and usefulness. CO3- U (8)
14. Describe about the financial ratios. CO4 -U (8)
15. Describe about the Size of Economics. CO5-U (8)