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Question Paper Code: 49718

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

Elective

Mechanical Engineering

14UME918-- PRODUCTION PLANNING AND CONTROL

(Regulation 2014)

Duration: 1.15 hrs

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. Which of the following is not a part of Five M's? CO1- R
(a) Material (b) Machine (c) Motion (d) Method
2. Mass production is characterized by CO1- R
(a) Low volume high variety (b) High volume low variety
(c) High volume low variety (d) Low volume low variety
3. Work study examines CO2- R
(a) Method (b) Duration of work (c) Both (a) and(b) (d) None of the above
4. Work study consists of CO2- R
(a) Effective use of plant and equipment (b) Effective use of human effort
(c) Evaluation of human work (d) All of the above
5. Value analysis examines the CO3- R
(a) Design of every components (b) Method of manufacturing
(c) Material used (d) All of the above
6. The bill of material does not consists of CO3- R
(a) Price of the part (b) Specifications of part
(c) Name of the part (d) Part number

7. Gantt Chart is mostly used for CO4- R
 (a) Routing (b) Scheduling
 (c) Follow up (d) Inspection and quality control
8. Centralized and decentralized are the types of CO4- R
 (a) Routing (b) Dispatching
 (c) Scheduling (d) Follow up
9. Which of the following is true for Inventory control? CO5- R
 (a) Economic order quantity has minimum total cost per order
 (b) Inventory carrying costs increases with quantity per order
 (c) Ordering cost decreases with lo size
 (d) All of the above
10. Key to chart is provided in CO5- R
 (a) Gantt chart (b) Man machine chart
 (c) The load chart (d) The progress chart

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Discuss the main functions of Production Planning and Control in detail. CO1-App (8)
12. Explain the importance of work study. CO2-App (8)
13. Discuss the functions of production planning cycle. CO3- Ana (8)
14. Explain the details about master scheduling. Give an example. CO4- U (8)
15. Explain the methodology adopted in implementing ERP. CO-5 U (8)