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Roll No.

221753A

5th Sem / Mechanical Engg, Mechanical (Tool & Die)
Subject : Industrial Engineering

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Which of the following is not a process chart?

- a) Man Machine Chart
- b) Two handed process Chart
- c) Outline Process Chart
- d) Gantt's chart

Q.2 The determination of standard time in a complex job system is best done through

- a) Analysis of micromotions
- b) Analysis of standard data system
- c) Stop watch time study
- d) None of these

Q.3 Normal time=_____

- a) Observed time + Allowances
- b) Observed time x Performance rating factor
- c) Standard time - Basic time
- d) Observed time + Basic time

Q.4 A critical activity has?

- a) minimum slack b) maximum slack
- c) Zero slack d) None of these

Q.5 What are the two main costs associated with inventory?

- a) Ordering cost and holding cost
- b) Purchase cost and holding cost
- c) Ordering cost and shortage cost
- d) Purchase cost and shortage cost

Q.6 If company's fixed cost increases, what will happen to the break-even point?

- a) It will decreases
- b) It will increases
- c) It will remain same
- d) It will become negative

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 What are the two main techniques of work study?
- Q.8 Define Plant Layout?
- Q.9 What is two handed process Chart?
- Q.10 Write the full form of PERT?
- Q.11 Define EOQ.
- Q.12 Define ABC Analysis.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Write any four differences between production and productivity.
- Q.14 Write any four differences between Time Rate System and Piece Rate System.
- Q.15 Write the procedure for drawing flow Diagram.
- Q.16 Define motion analysis. Explain its procedure in brief.
- Q.17 What is Incentive what are its different types?
- Q.18 What is scheduling. Write any four advantages of scheduling?

- Q.19 What is EOQ and explain its significance in inventory management?
- Q.20 Write any four advantages of Production Planning and Control.
- Q.21 What are different types of values? Explain each in brief?
- Q.22 Explain Monte Carlo method for make or buy?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain any two techniques of work measurement in detail?
- Q.24 Explain in detail various type of allowances considered for a worker while carrying out time study?
- Q.25 Explain the concept of Value engineering. What are its advantages and applications?