

No. of Printed Pages : 4
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?

(3)

221753A

- 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?

(1420)

(4)

221753A