

SECTION-D

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

- Q.23 What do you understand by Break even analysis? Explain with example.
- Q.24 Draw and Explain various type of stores layout.
- Q.25 What are Gantt charts? Explain their types with examples.

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Roll No.

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 What percentage of normal time is generally allowed for rest or relaxation allowance?
- a) 12% to 20% b) 22% to 25%
- c) 2% to 29% d) 1% to 2%
- Q.2 The work study is done by means of
- a) Planning chart b) Process chart
- c) Stop watch d) Any one of these
- Q.3 Which of the following is not a reason for unnecessary costs?
- a) Poor design of the component
- b) Unavoidable delivery constraints
- c) Poor leadership
- d) Purchase of raw material

- Q.4 Dispatching prescribes
- a) The sequence of operations to be followed
 - b) Determines the programme for the operations
 - c) Is concerned with the starting of processes
 - d) Regulates the progress of job through various processes

- Q.5 Work study is most useful at
- a) Where production activities are involved
 - b) In judging the rating of machine
 - c) In improving industrial relations
 - d) In judging the output of a man and improving it

- Q.6 A string diagram is used where:
- a) Team of workers is working at a place
 - b) Material handling is to be done
 - c) Idle time is to be reduced
 - d) All of the above

SECTION-B

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

- Q.7 Reorder quantity is _____

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- Q.8 _____ is a symbol of storage in process chart.

- Q.9 Name any one non-financial incentive.

- Q.10 Productivity is the ratio of _____

- Q.11 Standards convey that there are only certain specific sizes made and sold. (True/False)

- Q.12 Flow process charts are of _____ types.

SECTION-C

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

- Q.13 What are the various types of Productions. Explain.

- Q.14 Write short note on position of machines.

- Q.15 Define work study and give its scope.

- Q.16 Write short note on ergonomics and its importance.

- Q.17 Explain any two wage payment plans.

- Q.18 Explain two practical methods of measuring productivity.

- Q.19 Explain any four time allowances with examples.

- Q.20 Explain machine loading chart with example.

- Q.21 Describe value engineering.

- Q.22 Explain the inter-relation between method study and work measurement.

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