

- Q.25 Write various objectives of production planning and control.
- Q.26 Define motion analysis. What are its objectives?
- Q.27 Draw the Therbligs symbol of
- a) Find
 - b) Plan
 - c) Hold
 - d) Assemble
 - e) Use
- Q.28 What is SIMO chart?
- Q.29 What is two handed process chart? Explain with example.
- Q.30 Write the advantages and applications of PERT.
- Q.31 What do you mean by human aspect of work study.
- Q.32 Explain Gantt plan.
- Q.33 Write the external factors which affect productivity.
- Q.34 Define Ergonomics and its objectives.
- Q.35 Define
- a) Inventory Ordering Cost
 - b) Inventory Carrying Cost

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain the procedure of method study.
- Q.37 Explain the components/functions of production planning and control.
- Q.38 Explain allowances and their types.

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**6th Sem / Auto, Mech, T&D, Prod, GE, CNC,
 CAD/CAM,Mech. Engg. (Fabrication Tech.) Mech
 (CAD/CAM) Design & Robotics)**

Subject:- Industrial Engineering

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 N.P.C stands for
- a) National Productivity Council
 - b) National Productivity Centre
 - c) National Product Council
 - d) National Product Centre
- Q.2 The symbol 'O' stands for
- a) Operation
 - b) Inspection
 - c) Storage
 - d) Delay
- Q.3 Which of the following charts give simultaneous information about the progress of work and machine loading?
- a) Gantt chart
 - b) Machine load chart
 - c) Process chart
 - d) Man machine chart
- Q.4 Ergonomics means
- a) Economics
 - b) Human motion economy
 - c) Psychology
 - d) None of the above

Q.5 Standard Time = _____

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

Q.6 Which allowance is provided to the worker for enforced idleness due to nature of operation?

- a) Rest allowance
- b) Policy allowance
- c) Process allowance
- d) Random interference allowance

Q.7 The wage paid to the worker just to keep him alive is called

- a) Nominal wage b) Real wage
- c) Minimum wage d) Fair wage

Q.8 The cost associated with holding the inventory in the store is called

- a) Inventory carrying cost
- b) Inventory ordering cost
- c) Inventory cost
- d) none of the above

Q.9 A card attached to each rack where material is placed to record the materials entering or leaving the rack is called

- a) Store ledger b) bin card
- c) Both (a) and (b) d) None of the above

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Q.10 Gantt chart is used for

- a) material handling b) inventory control
- c) Equipment handling d) production schedule

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Productivity is the ratio of input to output.(T/F)

Q.12 The techniques of work study are _____ and _____.

Q.13 The process of converting raw material into finished product is known as _____

Q.14 ➡ is the symbol of _____

Q.15 1 wink = _____ Minute.

Q.16 Full form of PERT is _____

Q.17 A reward given to the worker for this efficiency and hard work is called _____

Q.18 Expand PPC.

Q.19 _____ is the relaxation allowance provided to the worker to overcome fatigue caused during working.

Q.20 E.O.Q stands for _____

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 What are the difference between production and productivity?

Q.22 Define string diagram with example.

Q.23 Write the advantages of CPM.

Q.24 Explain EOQ method of Inventory control.

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