

- Q.27 Explain Gantt Chart. (CO7)

Q.28 Explain the different layout and structures of store. (CO9)

Q.29 What do you mean by dispatching. (CO5)

Q.30 Explain standard time calculation for a job. (CO4)

Q.31 Describe the inter relation between method study and work study. (CO3)

Q.32 Write in brief about Micro motion study. (CO3)

Q.33 Discuss various types of incentives. (CO5)

Q.34 Write the procedure to carry out work measurement. (CO3)

Q.35 Explain various allowances and their types. (CO5)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain any two techniques of work measurement in detail. (CO3)

Q.37 What are the components of Production Planning and Control. (CO7)

Q.38 Define the concept of standard Time. Explain clearly the steps involved in arriving at standard time, starting with observed time. (CO5)

(Note: Course outcome/ CO is for office use only)

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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 Work study is widely known as (CO2)

 - a) Productivity development
 - b) time and motion study method
 - c) analytical estimating
 - d) material handling study

Q.2 The symbol 'O' stands for (CO3)

 - a) Operation
 - b) Transport
 - c) Delay
 - d) Permanent storage

Q.3 Gantt chart is used for (CO7)

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

Q.4 Basic tool in work study is. (CO1)

 - a) Graph paper
 - b) Process Chart
 - c) Planning chart
 - d) Stop watch

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- Q.5 Process layout is employed for (CO5)
 a) Batch production
 b) Continuous type of product
 c) effective utilization of machine
 d) All of the above
- Q.6 Work Sampling observations are taken on the basis of (CO2)
 a) Detailed calculations
 b) Table of random numbers
 c) Convenience
 d) Past experience
- Q.7 _____ are used to represent the activity in a network diagram. (CO9)
 a) circles b) squares
 c) rectangles d) arrows
- Q.8 Product layout is used for (CO5)
 a) Job production b) batch production
 c) Mass production d) none of all
- Q.9 Military organization is known as (CO4)
 a) Line organization
 b) Line and staff organization
 c) functional Organization
 d) None of all
- Q.10 Time study is carried out to determine the time required to complete job by. (CO5)
 a) An average worker b) a faster worker
 c) a slow worker d) an apprentice

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Write the full form of SIMO chart. (CO4)
 Q.12 Write the full form of PERT. (CO7)
 Q.13 Draw therbling symbol of search. (CO3)
 Q.14 Write a function of industrial engineer. (CO1)
 Q.15 List any two allowances. (CO3)
 Q.16 Define normal working area. (CO2)
 Q.17 Define Salary. (CO6)
 Q.18 Define Machine loading. (CO7)
 Q.19 What do you understand by plant layout? (CO8)
 Q.20 What is standard Time. (CO3)

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Write in brief about the factors that affect the productivity of an organization. (CO1)
 Q.22 Describe the role of industrial Engineer to improve productivity. (CO2)
 Q.23 Write a short note on, "Human Aspect of Work Study". (CO3)
 Q.24 Enlist the essential requirement of good wave system. (CO4)
 Q.25 Write the uses of Standard Data. (CO6)
 Q.26 Explain different types of production in brief. (CO6)