

601
All

Diploma 6th Semester Examination, 2021 (New Syllabus)

Subject : Industrial Engineering & Management

Full Marks : 80

Subject Code : 601

Time : 3 Hours

Pass Marks : 26

Answer Question No.1 & 2.

1. Objectives Questions:

2×8=16

- (i). The aim of value engineering is to
- (a) find the depreciation value of a machine.
 - (b) determine the selling price of a product.
 - (c) minimise the cost without change in quality of the product.
 - (d) All of the above
- (ii). Gantt chart is used for
- (a) Inventory control.
 - (b) Material handling.
 - (c) Production schedule.
 - (d) Machine repair schedules.
- (iii). The main object of scientific layout is
- (a) to produce better quality of product.
 - (b) to utilise maximum floor area.
 - (c) to minimise production delays.
 - (d) All of the above
- (iv). A systematic job improvement sequence will consist
- (a) Motion study
 - (b) Time study
 - (c) Both (a) & (b)
 - (d) None of the above

- (v). A device used for lifting or lowering objects suspended from a hook at the end of retractable chains or cable is called
- (a) Hoist
 - (b) Jib crane
 - (c) Portable elevator
 - (d) Chain conveyor
- (vi). Father of time study was
- (a) H.L. Gantt
 - (b) F.W. Taylor
 - (c) F.B. Gilbert
 - (d) R.M. Barnes
- (vii). Which of the following shows the process of creating something new?
- (a) Business model
 - (b) Modeling
 - (c) Innovation
 - (d) Creative flexibility
- (viii). TQM stands for
- (a) Total Quantity Management
 - (b) Total Quality Management
 - (c) Both (a) & b)
 - (d) None of the above
2. Long answer questions (*any four*): 16×4=64
- (a) Explain the difference between production and productivity with an example.
 - (b) Discuss on the different types of materials handling devices.
 - (c) What is a process chart? Explain the symbols used in process chart.
 - (d) Write short notes on ;
 - (i) Loading
 - (ii) Dispatching
 - (iii) Scheduling
 - (e) What do you understand by the production planning and control? Write the importance and objectives of P.P.C.

- (f) Explain briefly on Total Quality Management and state the method of quality control. •
 - (g) Explain the Maslow's theory of motivation with the significance. •
 - (h) Discuss briefly on need for the promotion of entrepreneurship and small scale industries.
 - (i) Discuss on the different types and methods of training in industries.
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