

- Q.17 Explain the Sinking fund method of calculating depreciation for machinery.
- Q.18 Explain various components of cost with reference to product drawing.

SECTION-D

Note: Long answer type questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 What is an ABC control policy? Describe it in detail.
- Q.20 Describe the systematic procedure of drawing a breakeven chart.

No. of Printed Pages : 4
Roll No.

202043

4th Year / Advance Diploma in Tool and Die Making
Subject : Production Planning and Cost Estimation

Time : 3 Hrs.

M.M. : 50

SECTION-A

Note: Multiple Choice questions. All questions are compulsory. (5x1=5)

- Q.1 Which of the following is a key objective of Production Planning and control (PPC)?
- a) Maximizing Employee Overtime
 - b) Optimizing Production Scheduling
 - c) Minimizing Equipment Utilization
 - d) Increasing Production Downtime
- Q.2 We can reduce the materials cost by
- a) Using systematic inventory control techniques
 - b) Ordering the materials as and when the need arises
 - c) By ordering in bulk quantities
 - d) Ordering the material at fixed interval irrespective of need

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Q.3 Routing and Scheduling becomes relatively complicated in

- a) Job production b) Batch production
- c) Flow production d) Mass production

Q.4 Fixed cost is a cost

- a) Which changes in total in proportion to changes in output
- b) Which is partly fixed and partly variable in relation to output
- c) Which do not change in total during a given period despite changes in output
- d) Which remains same for each unit of output

Q.5 The components of the prime cost are

- a) Direct Material + Direct Labor + Other Direct Cost
- b) Direct Labor + Other Direct Cost + Factory Overheads
- c) Direct Labor + Factory Overheads
- d) None of the given options

SECTION-B

Note: Objective type questions. All questions are compulsory. $(5 \times 1 = 5)$

Q.6 Most suitable layout for Job production is:

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Q.7 The study of relationship between the load on hand and capacity of the work centers is known as :

Q.8 Issuing necessary orders and taking necessary steps to ensure that the time targets set in the schedules are effectively achieved is known as :

Q.9 A point at which there is neither profit nor loss is known as _____

Q.10 Depreciation = Cost of asset Scrap value/_____

SECTION-C

Note: Short answer type questions. Attempt any six questions out of Eight questions. $(6 \times 5 = 30)$

Q.11 Define Productivity. What are the factors affecting productivity?

Q.12 Differentiate between Job Production, Batch Production and Mass Production.

Q.13 What is Inventory Control? Explain its importance in an Industrial Undertaking

Q.14 What are the benefits of an efficient Material Handling system in industry and business?

Q.15 Define dispatching and follow up process? How is it helpful in Production Control?

Q.16 Define and distinguish between direct and indirect materials with suitable examples.

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