No. of Printed Pages : 4
Roll No. .....

181765/171765/
105362/106162

6th Sem / Branch : Mech., Printing Tech.
Sub.: Estimating & Costing

Time : 3Hrs. M.M. : 100

SECTION-A

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

Q.1 From which of the following is the purpose of estimating
a) To determine cost of tools, equipment etc.
b) To determine the selling price of the product
c) To help in modification of design
d) All of the above

Q.2 _____ is the determination of an actual cost of an article, after adding different expenses incurred in various departments.
a) Costing b) Estimating
c) Cost Estimating d) None of the above

Q.3 For which kind of firm is process costing appropriate?
a) Bricklaying firms b) Oil refining firms
c) Hospitals d) Transport firms

Q.4 From which of the following is not the quality of an estimator:
a) Read and understands drawings and blue prints
b) God knowledge of wagse rates of all type of workers.
c) Don't need technically qualified person
d) All of the above

Q.5 From the following which is the purpose of budget
a) To define certain goal
b) To improve the position of the business
c) Both A & B
d) None of the above

Q.6 _____ is the value of machine, equipment or assets at a particular date.
a) Scrap value b) Book Value
c) Salvage value d) Net present value

Q.7 What is the weight of the iron ball has volume of 250 cc and density 7.5 gm/cc?
a) 1750 gram b) 1975 gram
c) 1785 gram d) 1875 gram

Q.8 From which of the following is basic element of cost.
a) Production cost b) Material cost
c) Transportation cost d) None of the above

Q.9 If welding length is 2 meter, electrode consumption 0.2 kg/meter and cost of electrode is 60 Rs/Kg. then electrode cost is _____.
a) 20 Rs. b) 24 Rs.
c) 600 Rs. d) 6 Rs.

Q.10 _____ is the time required for setting, fixing and arranging the tools, machine and equipment.
a) Setup time b) Machining time
c) Tear down time d) Service time

SECTION-B

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

Q.11 Cost of Production.
Q.12 Factory Expenses.
Q.13 Overhead Charges.
Q.14 Financial Accounting.
Q.15 Batch Costing.
Q.16 Cost Estimation.
Q.17 Formula for volume of a cone.
Q.18 Set up time.
Q.19 Cycle time.
Q.20 Forging.

SECTION-C

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

Q.21 List any five objectives of estimation.

Q.22 Differentiate between estimating and costing.

Q.23 Define depreciation and list any six causes of depreciation.

Q.24 Explain the component of cost and selling price. Show the relationship between various components of cost with the help of a block diagram.

Q.25 Differentiate job costing and process costing.

Q.26 What do you understand by multiple and composite costing.

Q.27 Write the various Principal factors being considered in estimating.

Q.28 Lists any five qualities of an estimator.

Q.29 List out the steps involved in finding out the cost of the material.

Q.30 Write the formula for finding the volume of the following :
a) Frustum of cone b) Circular ring
c) sphere

Q.31 State the meaning of the following terms :
a) Setup time b) Machine time

Q.32 How do you estimate the time required for forging?

Q.33 Give any three examples to each of the following overheads involved in welding cost : a) Direct overheads b) Indirect overheads

Q.34 Explain the steps involved in estimation of welding cost.

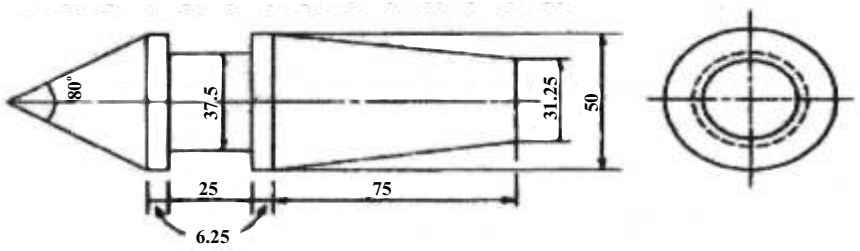
Q.35 Explain the forging losses to be considered while estimating.

SECTION-D

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

Q.36 The market price of a machine is Rs. 60,000 and the distributor is allowed a discount of 20% of the market price. It is found that the selling expenses are 50% of factory cost. The material cost labor cost and factory over heads are in the ratio of 1:3:2. If the labour cost is Rs. 12,000 determine the profit on each machine. Neglect other overheads.

Q.37 The dimensioned figure below shows a lathe centre. Estimate the weight and cost of material for the same if the material weight 7.787 gm/cc and the material cost is Rs 10 per kg. All dimensions are in mm.



Q.38 The shaft shown in figure below is to be manufactured by turning out an 85 mm steel rod. Find out the minimum machining time if the job is to be turned at 320 r.p.m/ with fed 0.6 mm/rev. and depth of cut 3 mm. Find the machining time taking into account personal allowance and fatigue allowance and neglecting the time of approach, over run and time taken to return the tool. consider the time taken for facing and parting also. All dimensions are in mm