Prod, T & D
Subject:- Estimating and Costing

Time : 3Hrs.   M.M. : 100

SECTION-A

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

Q.1   Which of the following is done after manufacturing
   a)   Costing   b)   Investing
   c)   Estimating   d)   All of the above

Q.2   Which of the following is the indirect expenses which include all the expenses except direct labour, direct expenses and direct material.
   a)   prime cost   b)   manufacturing cost
   c)   Factory cost   d)   overhead cost

Q.3   Which of the following is not a main element of the cost?
   a)   Material cost   b)   Stationary cost
   c)   Labour cost   d)   Expenses

Q.4   Volume of sphere is
   a)   (4/3) x Pi x R x R x R b)   (2/3) x Pi x R x R x R
   c)   (4/3) x Pi x R x R   d)   (2/3) x Pi x R x R

Q.5   Which one of the following gives an authority to one or more persons to undertake a job?
   a)   Material control   b)   Tool control

Q.29   What are the factors on which the cutting speed depends upon?

Q.30   Draw the ladder of cost.

Q.31   A square bar of 3 cm side and 30 cm length is to be converted into a bar of hexagonal section of each side equal to 2cm by hand forging. Find the length of hexagon produced if the scale loss is= 6%.

Q.32   Enlist different types of costing methods.

Q.33   Explain the procedure for making estimations in sheet metal shop.

Q.34   Explain gas welding and different techniques used in gas welding.

Q.35   Write short note on estimation of Direct material cost in Foundry shop.

SECTION-D

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

Q.36   Calculate the time taken to turn a 60 mm dia rod to the step of 120 mm long of dia 48 mm. Take cutting speed as 20m/ min, feed as 1.2mm/ rev and the cuts are 2mm deep.

Q.37   Explain the estimation of time for following sheet metal operations:
   a)   Blanking   b)   Drawing

Q.38   Explain the estimations in shaping and planning operations.

c) Order writing   d) Routing

Q.6 Which of the following is not a method of costing?
a) Job costing   b) Departmental costing
c) Batch costing   d) Extra costing

Q.7 FFT stands for
a) First and first take   b) First floor table
c) Floor to floor time   d) Fit first top

Q.8 The process of heating the metal at high temperature to bring it to plastic state and then applying force to get desired shape.
a) Forging   b) Welding
c) Hot hammering   d) All of the above

Q.9 The amount by which a tool of cutter is inserted into the workpiece during one cut is called _____
a) Feed   b) Insertion
c) Boring   d) Depth of cut

Q.10 Gas cutting is the process of cutting the metal with the help of gas_____ wither manually or with machine
a) Cutter   b) Pressure
c) Flame   d) Pneumatic pressure

SECTION-B

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

Q.11 Man-hour rate in the improvement of _____ method.

Q.12 Name any two methods of costing

Q.13 _____ means finding the most economical path of doing the work.

Q.14 Depreciation is_____

Q.15 To calculate weight in estimation, weight =_____ x_____

Q.16 Material cost =_____ x_____

Q.17 Name any two types of forging

Q.18 Tong loss is_____

Q.19 In Blanking the useful part is _____

Q.20 _____and _____make the direct material in sheet metal.

SECTION-C

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

Q.21 Explain the components of cost

Q.22 Differentiate between the financial accounting and cost accounting.

Q.23 Explain idleness cost

Q.24 Explain different types of overheads.

Q.25 What are the factors affecting the selling price determining the profit.

Q.26 Explain tapping process with it formula.

Q.27 A machine is purchased for Rs. 80,000/- The estimated life of machine is 15 years. The scrap value is Rs. 30,000/- If the rate of interest on the depreciated fund is charged at the rate of 4%, calculate the rate of depreciation by using sinking fund method.

Q.28 Write the steps in estimating the material cost