



17557

16172

3 Hours / 100 Marks

Seat No.

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- Instructions :** (1) *All questions are compulsory.*
(2) *Answer each next main question on a new page.*
(3) *Illustrate your answers with neat sketches wherever necessary.*
(4) *Figures to the right indicate full marks.*
(5) *Assume suitable data, if necessary.*
(6) *Use of Non-programmable Electronic Pocket Calculator is permissible.*
(7) *Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.*

Marks

1. Attempt any ten :

20

- Define costing.
- What is pricing policy ?
- Differentiate between prime cost and factory cost.
- What is inflated price method ?
- Define depreciation.
- Define obsolescence.
- Define overhead.
- Define Tool cost.
- What is labour cost ?
- What is mensuration ?
- State the importance of mensuration.
- What is forging ?
- What is job cost sheet ?
- What is cost accounting ?

2. Attempt any two :

16

- Differentiate between costing and estimating.
 - How is cost control done ?
- Explain material costing and its elements.
- How is the valuation done of materials issued from the store ?

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**3. Attempt any two :****16**

- a)
 - i) State causes of depreciation.
 - ii) Explain sinking fund method for depreciation calculation.
- b) Explain estimating procedure.
- c) A square bar of 40 mm side and 250 mm length is to be converted into a bar of hexagonal section of side 20 mm. Calculate the length of the hexagonal bar produced if scale loss is 8 % of total.

4. Attempt any two :**16**

- a) Find the time required for doing rough grinding of a 200 mm long steel shaft to reduce its dia. from 40 mm to 38 mm in a grinding wheel of 19 mm face width. Assume cutting speed as 14 m/min and depth of cut as 0.2 mm.
- b) How to estimate the machine time for various operation ?
- c)
 - i) State the factors affecting welding costs.
 - ii) Types of welding joints with neat sketches.

5. Attempt any two :**16**

- a) How is the welding cost estimation done ?
- b) How is the sheet metal shop cost estimation done ?
- c) Explain (in sheet metal shop estimation)
 - i) Blank layouts
 - ii) Capacity of power presses.

6. Attempt any two :**16**

- a) How is the estimation of erection costs done ?
 - b) Explain forging operations and procedure of forging shop.
 - c)
 - i) Explain cost flow chart.
 - ii) Explain the characteristics of process cost accounting.
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