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**6 th Sem. / Mechanical Engineering /  
Mech (Tool & Die Design)**

**Subject : Estimating and Costing in  
Mechanical Engineering**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Direct expenses also known as ? (CO2)

- a) Overhead expenses b) Chargeable expenses
- c) Sundry expenses d) Major expenses

Q.2 From which of the following is the purpose of estimating (CO1)

- 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.3 Which one of the following is not an overhead allocation method? (CO3)

- a) Man hour rate
- b) Machine hour rate
- c) Revaluation method
- d) Percentage of prime cost

Q.4 Which one of the following help in calculating the actual cost of manufactured product (CO2)

- a) Costing b) Estimation
- c) Depreciation d) Budget

Q.5 From which of the following is basic element of cost. (CO2)

- a) Production cost b) Material cost.
- c) Transportation cost d) None of the above

Q.6 From the following, which is not the type of depreciation? (CO3)

- a) Physical depreciation
- b) Functional depreciation
- c) Chemical depreciation
- d) Both (A) and (B)

(1)

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(2)

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## **SECTION-B**

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 What is Prime cost ? (CO2)
- Q.8 Define selling price of a product. (CO3)
- Q.9 Name various elements of cost. (CO2)
- Q.10 Define Tender. (CO7)
- Q.11 Define Tear down time (CO5)
- Q.12 What is cylindrical grinding ? (CO4)

## **SECTION-C**

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Differentiate between Financial Accounting and Cost Accounting (CO3)
- Q.14 What are qualifications of a cost estimator? (CO1)
- Q.15 Explain various causes of depreciation. (CO2)
- Q.16 What are various methods of costing? Explain. (CO3)
- Q.17 What is budget? What are its different types ?(CO7)
- Q.18 Explain the factors upon which cutting speed depends. (CO4)

- Q.19 How do you estimate foundry cost ? (CO6)
- Q.20 How do you estimate time required for threading ? (CO5)
- Q.21 Explain different components of a Balance Sheet. (CO7)
- Q.22 Why is GDP important for policymakers and investors ? (CO7)

## **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 What is allocation of overheads ? What are its different methods ?Explain. (CO2)
- Q.24 Explain in detail the basic approach to die cost estimation. (CO7)
- Q.25 A company produces 100 pieces in a batch, The direct material cost is Rs. 150 and direct labour cost is Rs. 120. Factory expenses are 40% of the total material and labour cost . Overhead charges are 20% of the factory cost. Calculate prime cost and factory cost . The profit target of the company is 20% on the total cost. Determine the selling price of each piece. (CO3)