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**Sem. 6<sup>th</sup>/ Mechanical Engineering**  
**Sub : Estimating & Costing**

Time : 3 Hrs.

M.M. : 100

**SECTION-A**

**Note:** Multiple Choice Questions. All Questions are compulsory. (10x1=10)

- Q.1 Direct labour is related to \_\_\_\_\_. (CO-1)  
a) Machine setter      b) Welder  
c) Store keeper      d) Maintenance man
- Q.2 Which one of the following helps in calculating the actual cost of manufactured product. (CO-1)  
a) Costing      b) Estimation  
c) Depreciation      d) Budget
- Q.3 More Technical knowledge is required in (CO-3)  
a) Estimation      b) Financial accounting  
c) Cost accounting      d) Costing
- Q.4 Indirect labour cost is related to (CO-3)  
a) Machine setter      b) Welder  
c) Store keeper      d) Maintenance man
- Q.5 The overall financial status of an organization is given by (CO-1)

- a) Cost accounting      b) Order book value  
c) Budget      d) Financial accounting

- Q.6 In which method of depreciation interest is charged on the cost of machine every year? (CO-2)  
a) Insurance policy method  
b) Straight line method  
c) Sinking fund method  
d) Annuity charging method
- Q.7 An example of variable overhead is \_\_\_\_\_. (CO-3)  
a) Telephone bills      b) Insurance expenses  
c) Expenses on tools      d) Postal expenses
- Q.8 Quality of an estimator is \_\_\_\_\_. (CO-3)  
a) He should have a knowledge of machine processes  
b) Knowledge of Accounts  
c) Knowledge of quantity of materials  
d) All of the above
- Q.9 Which one is not a method of costing? (CO-4)  
a) Job      b) Sinking fund  
c) Batch      d) Departmental costing
- Q.10 Which one of the following is not a phase of planning? (CO-6)  
a) Forecasting      b) Designing  
c) Order writing      d) Routing

### Section-B

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

- Q.11 Define cost estimator. (CO-1)
- Q.12 Define depreciation. (CO-2)
- Q.13 Define batch costing. (CO-3)
- Q.14 Define estimation. (CO-3)
- Q.15 What is personal budget? (CO-4)
- Q.16 What is capital in investment? (CO-4)
- Q.17 Define expenses. (CO-4)
- Q.18 Define machining time. (CO-5)
- Q.19 Define boring. (CO-6)
- Q.20 Name any one forging loss. (CO-6)

### Section-C

**Note:** Short answer type Question. Attempt any Twelve questions out of Fifteen Questions. (12x5=60)

- Q.21 Differentiate between costing & estimating. (CO-2)
- Q.22 Write a note on rate of return on investment. (CO-1)
- Q.23 Write various functions of cost estimating. (CO-2)
- Q.24 Explain in detail the overhead expenses. (CO-1)
- Q.25 What do you mean by overheads and discuss its types? (CO-3)
- Q.26 Discuss various element of cost and ladder of cost. (CO-3)
- Q.27 Differentiate between financial accounting and cost accounting. (CO-3)

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- Q.28 Write the procedure to calculate material cost. (CO-4)
- Q.29 Explain the factors upon which cutting speed depends. (CO-5)
- Q.30 Define cycle time and give the method of calculating it. (CO-5)
- Q.31 Write a short note on shaping and planning operation. (CO-6)
- Q.32 Explain the organization of estimating department. (CO-2)
- Q.33 Explain miscellaneous allowance which a cost estimator takes in to consideration. (CO-3)
- Q.34 Classify patterns, explain cope and drag pattern. (CO-5)
- Q.35 Discuss various foundry losses. (CO-6)

### Section-D

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

- Q.36 Enlist types of budgets and explain any one of them. (CO-4)
- Q.37 Estimate the milling time to cut 60 teeth on a great blank 60mm thick. Take feed as 30 mm/min and overall set up time as 10 minutes. (CO-5)
- Q.38 Explain the estimation of cost of foundry shop. (CO-6)

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