

**VIDYASAGAR METROPOLITAN COLLEGE**  
**INTERNAL EXAMINATION 2020**  
**BCom Part-II (General)**  
**COST AND MANAGEMENT ACCOUNTING-I**

**Answer any two questions:**

**25 x 2 = 50**

1. (a) Mention cost units of the following industries: (i) transport (ii) sugar (iii) brick (iv) power (v) automobile  
(b) Define economic order quantity (c) Annual demand: 18,000 units, unit cost Rs.27 and inventory carrying cost 20% per annum, cost per order Rs.150. Determine the following  
: (a) EOQ (b) No. of orders per year (c) Time between two consecutive orders (5+5+15)
2. (a) Mention the differences between bin card and stores ledger. (b) From the following prepare a stores ledger under FIFO : Jan 1, 2019 (balance 500 units @ Rs.2) Received goods on : (Jan 5, 400 u @ 2.25), (Jan 23, 200 u @ 2.50), (Jan 30, 50 u @ 2.40). Following are the dates of issue: (Jan 4- 300u), (Jan 9-200u), (Jan, 16-50u), (Jan, 28-150u), (Jan, 31-300u) (10+15)
3. (a) What are the points of similarity between Halsey and Rowan schemes ? (b) From the following calculate the total earnings of a worker and the effective hourly rate of wage under (i) Halsey plan and (ii) Rowan plan: Basic rate of wage per hour Rs 3.60, Time allowed 16 hours, Time actually taken 12 hours. (10+15)
4. (a) Calculate machine hour rate from the following data: cost of machine Rs.90,000, installation charges Rs.10,000, scrap value-nil, estimated repair charges per year Rs.1,000, estimated working time of the machine 10,000 hours, standing charges for the machine per year Rs.6,000, estimated working hours per year 2,000 hours, power consumption of the machine is 20 units per hour and the rate of power per 100 units is Rs.10.  
(b) (i) Consider the following data : Materials used Rs.3,000, Direct wages Rs.5,000, Factory overhead Rs.4,000, Office overhead Rs.1,200, Total selling price Rs.18,500. Calculate factory cost, total cost and the percentage that factory overheads bear to direct wages and percentage that office overheads bear to factory cost. (ii) What price should the firm quote for a product if material costs Rs.800, labour costs Rs.600 and works and office overheads are incurred at the same percentage as before? Assume the firm maintains the same rate of profit on cost as before. (10+15)
-