

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN  
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)

Chromepet, Chennai - 600 044.

B.Com. CA - END SEMESTER EXAMINATIONS - NOV'2024

SEMESTER - V

**21UCCCT5011 - Elements of Cost Accounting**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

**Section B**

Answer any **SIX** questions ( $6 \times 5 = 30$  Marks)

1. What are the Concepts of cost accounting?
2. Find out the economic order quantity and the number of orders per year from the following information:  
Monthly consumption 3,000 units  
Cost per unit Rs.54  
Ordering cost Rs.150 per order  
Inventory carrying cost 20% of the average inventory.
3. Calculate the economic order quantity from the following particulars.  
Annual usage: 6,000 units. Cost of Materials per unit Rs.20; Cost of placing and receiving one order Rs.60; Annual carrying cost: Rs.2 per unit.
4. From the following particulars find the amount required for cash payment of wages in a factory for a particular month:

	Rs.
Wages for normal hours worked	2,00,000
Wages for overtime worked	5,000
Leave wages	4,000
Deduction for employees state insurance scheme	3,000
Employees contribution to provident fund	2,000

House rent to be recovered from 20 employees at Rs.50 per month. Employer also contributes an equal amount towards ESI and PF.

5. Raghavendra Metal Company gives the following information:  
Number of workers at the beginning of the period: 3,800  
Number of workers at the end of the period: 4,200  
During the year, 40 workers left while 160 workers are discharged. 600 workers are recruited during the year; of these 150 workers are recruited to fill up vacancies and the rest are engaged on account of an expansion scheme. Calculate labour turnover by replacement method.

**Contd...**

6. Calculate the direct material percentage rate for overhead absorption from the following:  
 Factory overhead budgeted for 2010 = Rs.3,00,000  
 Cost of direct material estimated to be consumed during 2010 = Rs.5,00,000
7. Give the proforma of cost sheet.
8. Distinguish between Cost accounting and Management accounting.

### Section C

Answer any **THREE** questions ( $3 \times 10 = 30$  Marks)

9. From the following information calculate  
 (a) Economic order quantity (b) Reorder level  
 (c) Maximum level (d) Minimum level  
 Normal usage 150 units per day. Minimum usage 100 units per day. Maximum usage 200 units per day. Reorder period 50 to 60 days. The annual usage is 50,000 units. The cost of purchase is Rs.100 per order. Cost per unit is Re.1.00. Carrying cost is 10% per annum.
10. From the following particulars calculate the earnings of worker A&B under straight piece rate system and Taylor's differential piece rate system.  
 Standard time allowed 25 units per hour  
 Normal time rate Rs.50 per hour  
 In a day of 8 hours A produced 150 units and B produced 250 units
11. Discuss the nature and scope of Cost accounting.
12. The following particulars related to the production department of a factory for the month of June, 1998:

	Rs.	Rs.
Material used	80,000	
Direct wages	72,000	
Direct labour hour worked		20,000
Hours of machine operation		25,000
Overhead charges allocated to the department	90,000	

Cost data of a particular work order carried out in the above department during June, 1998 are given below: Direct wages 6,250 Labour hours booked 3,300 Machine hours booked 2,400. What would be the factory cost of the work order under the following methods of charging overheads:

- (i) Direct labour cost rate
- (ii) Machine hour rate and
- (iii) Direct Labour hour rate.
13. What is job cost sheet? Explain the advantages of job costing.

\*\*\*\*\*