

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. END SEMESTER EXAMINATIONS APRIL-2022

SEMESTER - V

18UCOCT5A13 - Cost Accounting-I

Total Duration : 3 Hrs.

Total Marks : 60

**Section A**

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

1. Define cost accounting. What are its objectives?
2. The profit as per cost accounts was Rs.1,50,000. Calculate the profit as per financial accounts on the basis of the following information.
  - a) Works overheads were under recovered in cost accounts by Rs.6,200.
  - b) Administration expenses were under recorded in financial accounts by Rs.2,750.
  - c) Depreciation charges over – recovered in cost accounts Rs.1,900.
  - d) Interest received on investments Rs.1,000.
3. Prepare a cost sheet.

Particulars	Rs.
Direct materials	10,000
Direct labour	4,000
Direct expenses	500
Factory expenses	1,500
Selling expenses	300
Administrative expenses	1,000
Sales	20,000

4. Calculate re-ordering level, minimum stock level and maximum stock level from the following information.

Minimum consumption - 100 units per day  
Maximum consumption - 150 units per day  
Normal consumption - 120 units per day  
Re-order period - 10-15 days  
Re- order quantity - 1,500 units  
Normal re-order period -12 days.
5. A factory requires 1,500 units of an item per month, each costing Rs.27. The cost per order is Rs.150 and the inventory carrying charges work out to 20% of the average inventory. Find out the economic order quantity and the number of orders per year.

**Contd...**

6. Explain the causes for labour turnover.
7. Calculate labour turnover under.
- Separation Method
  - Flux Method
- |  |       |
|--|-------|
| Total no.of employees at the beginning | 2,010 |
| Total no. of employees at the end      | 1,990 |
| No.of employees resigned               | 30    |
| No. of employees discharged            | 50    |
| No. of employees replaced              | 40    |
8. From the following particulars, calculate the machine hour rate for a machine.
- |   |                             |
|---|-----------------------------|
| Cost of the machine                                   | Rs.42,000                   |
| Estimated scrap value                                 | Rs.2,000                    |
| Estimated working life                                | 20,000 hours                |
| Running time for a 4week period                       | 150 hours                   |
| Estimated repairs for life                            | Rs.10,000                   |
| Standing charges allocated to this machine for a week | Rs.300                      |
| Power consumed per hour                               | 5units @ 10 paise per unit. |

### Section B

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

9. Describe the classification of cost.
10. Prepare a cost sheet from the following particulars:

<b>Opening Stock:</b>	<b>Rs.</b>
Materials	2,00,000
Work in progress	60,000
Finished goods	5,000
<b>Closing Stock:</b>	
Materials	1,80,000
Work in progress	50,000
Finished goods	15,000
Materials purchased	5,00,000
Direct wages	1,50,000
Manufacturing expenses	1,00,000
Sales	8,00,000
Selling expenses	20,000

Contd...

11. Prepare stores ledger account under FIFO method:

May	1	Opening balance 1,000 units at Rs.10
	10	Purchases 5,000 units at Rs.11
	15	Issued for production 2,500 units
June	3	Issued for production 3,000 units
	7	Purchases 1,000 units at Rs.12
July	12	Issued for production 700 units
	18	Issued for production 250 units

12. From the following particulars, calculate the earnings of a worker under.

- a) Time rate system
- b) Piece rate system
- c) Halsey plan
- d) Rowan plan

Wage rate Rs.2 per hour

Standard time 80 hours

Actual time taken 50 hours.

13. The modern company is having four departments A,B,C and D. The actual costs for a period are as follows:

	Rs.
Rent	2,000
Repairs	1,200
Depreciation	900
Lighting	200
Supervision expenses	3,000
Insurance of stock	1,000

The following data are also available:

	Dept. A	Dept. B	Dept. C	Dept. D
Area sq.ft	150	110	90	50
No.of workers	24	16	12	8
Value of plant (Rs.)	24,000	18,000	12,000	6,000
Value of stock (Rs.)	15,000	9,000	6,000	-

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