

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.(CS) END SEMESTER EXAMINATIONS APRIL-2022

SEMESTER - V

18UBCCT5A13 - Cost Accounting

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. Explain the scope of cost accounting.
2. Prepare cost sheet showing cost per unit of production.

Raw materials	Rs.10,000
Labour charges	Rs.8,000
Carriage inwards	Rs.2,000
Units produced	1000 units
Machine hours needed	2000 hours
Machine hour rate	Rs.2
Fixed overhead at	10% of works cost.

3. From the following particulars, calculate EOQ.
Annual usage :6,000 units
Cost of material per unit :Rs.20
Cost of placing and receiving one order :Rs.60
Annual carrying cost of one unit :10% of inventory value
4. From the following calculate minimum stock level, maximum stock level, re-ordering level and average stock level.
 - (i) Maximum Consumption = 300 units per day.
 - (ii) Minimum Consumption = 180 units per day.
 - (ii) Normal Consumption = 190 units per day.
 - (iv) Reorder period = 10-15 days.
 - (v) Reorder quantity = 2,000 units.
 - (vi) Normal reorder period = 13 days.

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5. Prepare a store ledger account using LIFO method showing pricing of materials from the following transaction.

Date	Particulars	Units (Rs.)	Cost per Unit (Rs.)
1 st Mar'21	Opening stock	1000	20
3 rd Mar'21	Purchase	800	21
9 th Mar'21	Issue	1200	-
12 th Mar'21	Purchase	1600	24
15 th Mar'21	Issue	1000	-
20 th Mar'21	Issue	600	-
25 th Mar'21	Purchase	1000	25
30 th Mar'21	Issue	800	

6. Calculate the earnings of worker A and B under Taylor's differential piece rate system. Also calculate the labour cost per unit of A and B.

Standard time allowed : 10 units per hour.

Normal piece rate : Rs.5.

Differential piece rate : 80% of piece rate of output below standard.

120% of piece rate of output above standard.

In a day of 8 hours 'A' produced 75 units and 'B' produced 100 units.

7. From the following data calculate the cost per km of a vehicle.

	Rs.
Value of vehicle	15,000
Road Licence for the year	500
Insurance charges per year	100
Garage rent per year	600
Driver's wages per month	200
Cost of petrol per litre	0.8
Proportional charge for tyre and maintenance per km	0.2
Estimated life (kms)	1,50,000 kms
Estimated annual mileage (kms)	6,000 kms
Petrol consumption (kms/litre)	8

8. Explain the various classifications of overheads.

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Section B

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

9. The following data relates to the manufacture of a standard product during the month of April, 2020:

Particulars	Amount in (Rs.)
Raw materials	1,80,000
Direct wages	90,000
Machine hours worked (hours)	10,000
Machine hour rate (per hour)	8
Administration overheads (general)	35,000
Selling overheads (per unit)	5
Units produced	4,000
Units sold	3,600
Selling price per unit	125

You are required to prepare a cost sheet in respect of the above showing: (i) Cost per unit (ii) Profit for the month.

10. From the following particulars prepare stores ledger account under i) Simple Average method ii) Weighted average method.

Date	Particulars	Units	Rate/unit (Rs.)
1 st Jan.	Balance	100	6
5 th Jan.	Purchases	600	7
20 th Jan.	Issues	400	-
5 th Feb.	Issues	200	-
6 th Feb.	Purchases	500	8
10 th March	Issues	400	-
12 th March	Issues	200	-

11. From the following information calculate the labour turnover rate:

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.

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12. A manufacturer concern has three production departments and two service department. In July 2008, the departmental expenses where as follows: -

Production Departments	Rs.
A	16,000
B	13,000
C	14,000
Service Departments	Rs.
X	4,000
Y	6,000

Service department's expenses are charged out on a percentage basis, viz.,

	A	B	C	X	Y
Expenses of department E	20%	25%	35%	–	20%
Expenses of department F	25%	25%	40%	10%	–

Prepare a statement of secondary distribution under repeated distribution method.

13. From the information given below, calculate earnings of a worker under:
- Time rate system
 - Piece wage rate
 - Halsey Weir Plan
 - Rowan Plan
- Wage rate - Rs.2 per hour
 - Production per hour - 4 units
 - Dearness allowance - Re.1 per hour
 - Standard time fixed - 80 hours
 - Actual time taken - 50 hours
 - Production - 250 units
