

COST ACCOUNTING

Time:- 2hrs.30mins

[Marks: 75]

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Working note should be part of answer.

Q.1. A Select correct option & re-write the sentence. (Any 8)

1. ABC Ltd. manufactures a single product which it sells for ₹ 50 per unit. Fixed costs are ₹ 80,000 per annum. The contribution to sales ratio is 50%. ABC Ltd's breakeven point in units is:

a) 3,500	b) 3,000
c) 3,200	d) 3,400

2. A company plans to produce & sell 5,000 units of product C each month, at the selling price of ₹ 20 per unit. The unit cost comprised of ₹ 8 variable cost & ₹ 6 fixed cost. Calculate the margin of safety as a percentage of planned sales:

a) 60%	b) 50%
c) 65%	d) 75%

3. A budget that gives a summary of all the functional budgets is known as:

a) Capital Budget	b) Flexible Budget
c) Master Budget	d) Discretionary Budget

4. The fixed variable cost classification has a special significance in the preparation of:

a) Capital Budget	b) Flexible Budget
c) Master Budget	d) Cash Budget

5. When preparing a production budget, the quantity to be produced equals:

a) Sales quantity + opening stock + closing stock
b) Sales quantity - opening stock + closing stock
c) Sales quantity - opening stock - closing stock
d) Sales quantity + opening stock - closing stock

6. A job requires 12,000 actual labour hours for completion & it is anticipated that there will be 20% idle time. If the wage rate is ₹ 10 per hour, what is the idle cost for the job?

a) ₹ 19,200	b) ₹ 24,000
c) ₹ 28,800	d) ₹ 30,000

7. Of the four costs shown below which would not be included in the cash budget?

a) Depreciation of the fixed asset
b) Office salaries
c) Commission paid to the agents
d) Capital cost of a new computer

- Q.2.** M/s. Alok Industries has given the following details, find the most profitable product Mix & prepare a statement of profitability of the product mix.

Particulars	Product "X"	Product "Y"	Product "Z"
Units Budgeted to be Produced & sold	1,800	3,000	1,200
Selling Price Per Unit (₹)	60	55	50
Requirement Per Unit:			
Direct Materials	5 kg.	3 kg.	4 kg.
Direct Labour	4 hrs.	3 hrs	4 hrs
Variable Overheads	₹ 7	₹ 13	₹ 8
Fixed Overheads	₹ 10	₹ 10	₹ 10
Cost of Direct Material Per Kg.	₹ 4	₹ 4	₹ 4
Direct Labour Hour Rate	₹ 2	₹ 2	₹ 2
Maximum Possible Units of Sales	4,000	5,000	1,500

All the three products are produced from the same direct material using the same type of machines & labour. Direct Material, Which is the key factor, is limited to 36,000 kg.

- Q.3.** M/s. Jayshree Enterprises is currently working at 50% capacity & produces 10,000 units. At 60% working raw material cost increases by 2% & selling price falls by 2%. At 80% working raw material cost increases by 5% & selling price by 5%. At 50% capacity working the product costs ₹ 18 per unit & is sold at ₹ 20 per unit.

The unit cost of ₹ 10 is made up as following:

Material	₹ 10
Wages	₹ 03
Factory Overheads	₹ 03 (40% Fixed)
Administration Overheads	₹ 02 (50% fixed)

Prepare a statement showing the estimated profit of the business when it is operated at is operated at 60% & 80% capacity.

It may be noted the fixed overhead remain constant upto 100% capacity. Increase in raw material cost & decrease in selling price are to be calculated with reference to the figure given for 50% capacity usage.

OR

- Q.3.** ABC Foods Products Limited has prepared the following sales Budget for the first five months of 2016

Sales Budget (in Units)

January	10,800
February	15,600
March	12,200
April	10,400
May	9,800

The inventory of finished products at the end of every month is to be equal to 25% of the sales estimate for the next month. On 1st January 2016, there were 2,700 units of product in hand. There is no work-in-process at the end of any month.

Every unit of product requires two types of materials in the following quantities:

Material A : 4 Kg. Material B : 5 Kg.

Material equal to one-half of the next month's production are to be in hand at the end of every month. This requirement was met on 1st January 2016

Budgeted prices for the purchase of materials are

Material A: ₹ 3 per kg; Material B: 2 per kg.

Prepare Materials consumption Budget & purchase budget (qty & value) for first quarter of 2016 showing the quantities of each type of material to be purchased every month.

Q.4. The budgeted & the actual sale for a period in respect of three products are given below:

Budgeted Figures

Product	Quantity	Price ₹	Value ₹
A	1,000	5	5,000
B	750	10	7,500
C	500	15	7,500
	2,250		20,000

Actual

Product	Quantity	Price ₹	Value ₹
A	1,200	6	7,200
B	700	9	6,300
C	600	14	8,400
	2,500		21,900

Calculate all sales variances.

OR

Q.4. Calculate all labour variance from the following data.

Particulars	Standard Hours	Standard hourly rate	Actual hours	Actual Hourly rate
Skilled Labour	2,880	20	1,760	25
Semi-skilled	1920	10	2640	5
Labour Total	4,800		4,400	
Output	108 Kg		90 Kg	

Q.5. A What is marginal costing? Explain Break-even chart in detail.

B. What is standard costing? Explain Material variances in detail.

OR

Q.5. Write Short Notes (Any 03)

1. P/V Ratio
2. Fixed overheads variances
3. Master Budget
4. Advantages of Budgetary control
5. Limiting factor