



Open-Test-2075(Magh)

Class: XII (Mgmt/Hum)

Accountancy

1. Mention any three limitations of Ratio analysis. 3
2. State any three importance of Cost Accounting? 3
3. What do you mean by store control? 2
4. What do you mean by variable overhead and fixed overhead? 2
5. The following is the Trial Balance of ABC Co. as on 30th Chaitra 2074

Particulars	Debit Rs.	Particulars	Credit Rs.
Opening Stock	50,000	Sales	3,00,000
Purchase	1,90,000	8% debentures	2,00,000
Sundry expenses	60,000	Accounts payable	20,500
Wages	70,000	Bills payable	3,000
Carriage on purchase	20,000	Commission	2,000
Bad debts	500	Equity share capital	3,00,000
Advertisement	5,000	Profit and loss app. a/c	23,000
Furniture	50,000		
Prepaid expenses	2,000		
Interest on debenture	10,000		
Investment	50,000		
Accounts receivable	1,00,000		
Salaries	15,000		
Discount	1,000		
Plant and machinery	2,00,000		
Goodwill	25,000		
Total	8,48,500	Total	8,48,500

Additional information

- i. Closing stock valued at Rs.1,80,000.
 - ii. Reserve for doubtful debts to be maintained at 5% on accounts receivable.
 - iii. Depreciate plant and machinery by 10% and furniture by 20%.
 - iv. Outstanding expenses for wages Rs.5,000 and advertisement Rs.2,000.
 - v. The Board of Directors decided to pay dividend on equity shares at 12% and create a general reserve of Rs.15,000.
 Required: a) Trading Account b) Profit and Loss Account
 c) Profit and Loss App. Account d) Balance sheet 3+3+2+4=12
6. The trial balance of M company as on 31st Chaitra is given below.

Particulars	Debit	Particulars	Credit
Purchase	2,00,000	Share capital	2,00,000
Building	100,000	Loan	150,000
Salary	30,000	Sales	350,000
Machinery	150,000	creditors	50,000
Debtors	100,000		
Cash	40,000		
Rent	10,000		
Investment	100,000		
wages	20,000		
Total	750,000	Total	750,000

Additional information:

- a. Wages outstanding of Rs. 4,000
- b. Prepaid rent Rs.1,000
- c. Depreciation of machinery by 10%
- d. Proposed dividend @10%

Required: i) Entries for adjustment ii) work sheet

2+6=8

7. Following information are provided to you:
 Cash balance 30,000 Debtors 50,000
 Bills payable 50,000 Closing stock 120,000
 Creditors 80,000 Operating Exp. 25,000
 Debtors turnover ratio is 10 times
 Gross profit margin 20%
 Required: a) Current ratio b) Liquid ratio c) Sales amount
 d) Gross profit e) Net profit ratio

5

Economics

Group A

1. How are equilibrium price and output determined under monopoly market by MR-MC approach in short run? 10
2. Explain the concepts of progressive, proportional and regressive taxes. 10
3. Critically explain the Fisher's quantity theory of money. 10

Group B

4. Discuss the types of cross elasticity of demand. 5
5. Describe the sources of public revenue. 5
6. Explain the roles of banking system in an economy. 5
7. Why short run average cost (AC) curve is U shaped? Explain. 5

English

1. Express wish for the following remarks using I wish with the past tense as in the example. 5
Example: It's raining.
→ I wish I had an umbrella.
 - a. You're lonely.
 - b. You're short of money.
 - c. You couldn't attend the classes.
 - d. It is your birthday.
 - e. You'r bike has a puncture.
2. Combine the following pairs of sentences into indirect questions. 5
Example : Was he alone? Did you notice?
→ Did you notice if he was alone?
 - a. What time did he wake up? Do you know?
 - b. Has the train left? Have you found out?
 - c. Did I lock the front door? Do you remember?
 - d. What time does the play start? I wonder.....
 - e. Are you coming tomorrow? I need no idea.
3. How would you describe a person who 5
 - a. Lets people down.
 - b. Doesn't expect good things to happen in his life.

8. The following transactions show the movement of a particular item for the month of Baisahakh.

Balance on last chaitra was 300 units @ Rs. 2 per unit

Other transactions are as follows:

Baishakh 1 Purchased 400 units @ Rs. 3 per unit
 5 Issued 300 units
 12 Returned to supplier 100 units
 15 Purchased 500 units @ Rs. 4 per unit
 18 Issued 600 units
 23 Returned from work order 10 units.

Required: Store ledger using LIFO method. 5

9. The following information are given to you:

Annual requirement 20,000 units

Price per unit Rs. 8

Average cost per order Rs. 50

Inventory carrying cost 1/4th of unit price.

Required : Economic order quantity. 2

10. The following particulars are given:

Wage rate Rs. 200 per hour

Time required per unit half an hours

Output of X 28 units

Output of Y 32 units

Required: Total wages payable X and Y by using time wages system. 3

11. The detail manufacturing and other cost are as under

Opening stock of raw material	80,000
Purchase	100,000
Carriage on purchase	20,000
Closing stock of raw material	50,000
Direct wages	300,000
Factory overhead	20% of direct wages
Office overhead	10% of factory cost
Units produced	5000 units
Units sold	4000 units
Profit on sales	25%
Closing stock	1,000 units

Required: Cost sheet 5

- c. Gives away a lot of money.
- d. Never buys you a drink.
- e. Is insensitive to other's feelings.
4. Sketch the character of Gretel in Keillor's version of the story? 5
5. Retell the story "Hansel and Gretel" in about 200 words. 10
6. Discuss the kind of relationship between father and son in the play "purgatory". 5
7. What is the old man's motive in murdering the boy? 5
8. Write a newspaper article about a success story of a Nepali business woman. 10

Business Maths

Group A

3×10=30

1. Evaluate by using 4 figure log table. 10
 - a. $(1.813)^2 \times {}^3\sqrt{0.3847}$
 - b. $\frac{\sqrt{0.0895}}{\sqrt[5]{7.5873}}$
 - c. $\sqrt[3]{\frac{9620}{108 \times (624)^3}}$
2. Evaluate:
 - a. $\int \frac{(2x-7)}{\sqrt{x^2-7x+5}} dx$
 - b. $\int \log x dx$
 - c. $\int_0^2 x e^{x^2} dx$
3. If the marginal cost function of a product is $x^2 - 3x + 2$, where x is the number of unit produced and if the cost of producing one unit is Rs 10. Find the total cost function.
4. The marginal coast of a product is given by $mc = 36 - 20x + 6x^2$ and initial cost is Rs. 30. Find the total cost and average cost function.

5. Ram draws a bill upon Shyam for Rs. 1825 which includes a discount of Rs. 73 at the rate of 12.5% p.a. Find the due time.
6. The simple interest on a certain sum for 2 years at 9% p.a is Rs. 90. Find the corresponding compound interest.

Group B 4×5=20
7. The discount allowed for a bill of Rs. 2,400 due 5 months here is Rs. 30. What should be the bill amount if the same sum is allowed as 4 months discount ?
8. The banker's discount on a bill of Rs. 28,000 at 3.5 % p.a is equal to the true discount on Rs. 28,735 for the same time at the same rate of interest. What are the sum's due?
9. The compound interest of a sum of money in 1 year and 2 years are Rs. 400 and Rs. 832 respectively. Find the rate of interest compounded yearly and sum borrowed.
10. A man puts a certain sum of money at compound interest of 10% p.a for 10 years. Find the sum if the man gets Rs. 2000 more when CI is payable half yearly.

Basic Math

Group A

4×2=8

1.
 - a. Solve : $3x = 1$ in Z_4
 - b. Find the equation of sphere whose centre is at $(1, -1, -1)$ and radius is 2.
2.
 - a. Prove that $\int \frac{1}{\sqrt{x^2 + a^2}} = \log\left(x + \sqrt{x^2 + a^2}\right) + c$
 - b. Prove that : $C_0 + C_1 + C_2 + C_3 + \dots + C_N = 2^n$

Group B

9×4=36

3. Let $G = Q - \{1\}$, the set of all rational numbers without the unit number. Suppose an operation * defined on G is given by $a \times b = a + b - ab$. Show that system in group .
4. Test the closure associative and commutative properties for each of following cases:
 - (i) The operation defined by $m \times n = 3m - 2n$; $m, n \in Z$

5. Find direction cosines of line which is perpendicular to lines with direction cosines proportional to 3, -1, 1 and -3, 2, 4.
6. Find equation of plane through the points (-1, 1, -1) and (6, 2, 1) and perpendicular to plane $2x + y + z = 5$.
7. Integrate: $\int e^{3x} \sin 5x dx$
8. Solve: $\frac{dy}{dx} = \frac{y}{x} - \sin^2 \frac{y}{x}$
9. Find correlation coefficient between two variables from following data.
 $n = 10, \sum x = 18, \sum y = 25, \sum x^2 = 90, \sum y^2 = 120$ and $\sum xy = 65$
10. In how many ways letter of 'college' can be arranged so that two e's always come together.

11. Prove that : $1 + \frac{1+2}{2!} + \frac{1+2+3}{3!} + \frac{1+2+3}{4!} + \dots = \frac{3e}{2}$

Group C 1×6=6

12. The regression coefficients of x on y and y on x are 1.5 and 0.65 respectively. If arithmetic means x and y are 36 and 52 respectively. Find two regression equations. Also, find y when x=60.

Marketing XII

1. Define promotion and explain it's components. 10
2. What is Advertising? What are it's types. 10
3. What are the method of Trade promotion. 10
4. Define Publicity. Mention the importance of public relation. 10
5. Describe the distribution channel of consumers and industrial products. 10

Business Studies

1. Explain any ten principles of management given by H.Fayol. 10
2. Describe the line and staff organizational structure along with its figure. 10
3. Explain any ten qualities of a good leader. 10
4. What is communication? Discuss the process of communication. 3+7

5. Explain the Abraham Maslow's theory of motivation in brief. 10

Computer

1. Write a program in c to demonstrate function call by value and function call by reference. 10
2. Write a program in c to input Name, Roll and Marks of 20 students and arrange them in descending order with their name. 10
3. Difference between structure and union. 5
4. What is pointer? Write a program in c to demonstrate pointer. 10
5. What is array ? Write a program to find the largest element in an array. 10

Hotel Management

1. Tick the correct answer 5
 - i. Puree soup is garnished with.....
 - a. Crouton b. Croutes c. Liaison d. Roux
 - ii. Which of the following sauce is not thicken with roux?
 - a. Bechamel b. Veloute c. Mayannoise d. Espagnole
 - iii. Evening turn down service is given to.....room?
 - a. Occupied b. Departure c. Vacant d. DND
 - iv. Carpet vacuuming can be done with a help of
 - a. Hoover b. Duster c. Scrubber d. Mop
 - v. Under normal condition occupied room is attendedin 24 hours.
 - a. Once b. Twice c. Thrice d. Four times
 - vi. The portion size of soup for one person is approx.ml.
 - a. 100-150ml b. 200-250ml c. 300-350ml d. 400-450ml
 - vii. Onion studded with bayleaf and clove is added in the preparation ofsauce.
 - a. Béchamel b. Tomato c. Veloute d. Mayonnaise
 - viii. Consomme is a type ofsoup.
 - a. Thin b. Clear c. Strained d. All of them
 - ix. A bunch of aromatic herbs in kitchen is known as.....
 - a. Bouquet garni b. Bisque c. Thickening agent d. Mire poix
 - x. Which of the following salad is made with julienne cut vegetables?
 - a. Russian salad b. Cole-slaw c. Nicoise Salad d. All the above

2. Match the following 5
- | | |
|--------------------------|---------------------|
| i. Crouton () | Six |
| ii. Parsley () | Four parts |
| iii. Vinaigrette () | Cleaning |
| iv. Mire poix () | Wood |
| v. DND () | Turn down service |
| vi. Parquet flooring () | Rough cut Vegetable |
| vii. Evening service () | Do not Disturb |
| viii. Mopping () | Dressing |
| ix. Salad () | Garnish |
| x. Mother sauce () | Bread |
3. Define salad .Explain parts of salad 5
4. Show the key difference between garnish and accompaniment 5
5. How are guest rooms prioritized by a room attendant based on their status? Explain the steps involved in cleaning a bathroom. 10
6. Enlist various types of soup. Explain two of them with appropriate examples 10
7. Write types of cutting tools and its uses? 5
8. What are the various types of cleaning methods? 5

Mass Communication

3×15=45

1. Explain journalists code of conduct.
2. What is press freedom? Explain the canons of journalism.
3. Define libel & plagiarism. Trace the brief history on press law and regulation in Nepal.

Rural Development

1. What are the problems of rural market? 10
2. What are the causes of rural indebtedness? 10
3. What are the measures for rural indebtedness? 10
4. Explain the Characteristics of rural market. 10
5. What is rural market? 5
6. What is rural indebtedness? 5

Rural economics

10×5=50

1. Mention the sources of revenue of District Development Committee.
2. Explain community based organization and its importance in rural community.
3. Define cooperative and its working area along with its importance.
4. Explain Village Development Committee and its grading system.
5. Discuss the economic status of rural community and the sources of income.

Sociology

1. What is Socialization? Discuss the major agencies of socialization with examples. 12
2. Give definition of basic functions and the types of family. 12
3. Lay out clear cut stratus of Nepali society by economy. 8
4. Show the distinct features to differentiate social group and organization. 10

The End