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COMPUTER TECHNIQUE

(Vocational Stream)

Paper–VI

(Computer Commercial Application)

(Theory)

Full Marks : 100

Time : 3 hours

The figures in the margin indicate full marks for the questions

GROUP—A

(Introduction to Statistical Techniques)

1. Define weighted arithmetic mean. Give the formula for the same. 2+2=4

2. If $\sigma = 17$ and $n = 25$, calculate the standard error of dispersion. 2+2=4

3. Define standard deviation and write the formula for the same. 2

4. Write notes on any *four* of the following :   2½×4=10

   (a) Least square fitting method

   (b) Harmonic mean

   (c) Variance

   (d) Mode

   (e) Median

5. Find the mean deviation about the median for the following data :   4

   3, 9, 5, 3, 12, 10, 18, 4, 7, 19, 21

6. Find the variance for the following data :   4

x_i :	4	8	11	17	20	24	32
f_i :	3	5	9	5	4	3	1

Or

Define simple linear regression. Derive formula for the same.

7. Find the geometric mean of 2, 3 and 6.   2

GROUP—B

(Simple Accounting)

8. Answer any *five* of the following questions :   2×5=10

   (a) Give four points of difference between Bookkeeping and Accounting.

   (b) Differentiate between Assets and Liabilities.

(c) Differentiate between Trading A/c and Profit & Loss A/c.

(d) Differentiate between Real A/c and Personal A/c with examples.

(e) Differentiate between Journal and Ledger.

(f) Differentiate between Cashbook and Petty Cashbook.

9. Briefly explain five concepts of accounting.　　5

10. Briefly explain the rules of Debit and Credit in accounting.　　5

11. Write short notes on any *four* of the following :

2½×4=10

(a) Types of accounts

(b) Straight line/Equal installment method of depreciation

(c) Various stateholders of a business entity

(d) Double-column cashbook

(e) Role of accountant

12. Journalize the following transactions in the book of P. Basak for the month of January 2017 giving narration for each :   10

  (i) On 1st January, 2017, started business with ₹ 2,00,000 in the bank and ₹ 40,000 cash

 (ii) On 1st January, 2017, bought shop fittings ₹ 40,000 and a van ₹ 60,000 both paid by cheque

(iii) On 2nd January, 2017, paid rent by cheque of ₹ 5,000

(iv) On 3rd January, 2017, bought goods for resale on credit from Zakir & Co. ₹ 50,000

 (v) On 5th January, 2017, cash sales—₹ 5,000

(vi) On 8th January, 2017, paid wages in cash—₹ 1,000

(vii) On 10th January, 2017, paid insurance by cheque—₹ 500

(viii) On 12th January, 2017, cash sales—₹ 8,000

(ix) On 15th January, 2017, paid wages—₹ 1,000

(5)

GROUP—C

(**Marketing and Salesmanship**)

13. Name some of the commonly aceepted characteristics of services. Explain each in short.   2+2=4

14. Write notes on any *three* of the following :   4×3=12

  (a) The 4 pc of marketing mix

  (b) Difference between Products and Services with clear examples

  (c) Functions of a salesman

  (d) Cyber marketing

15. Define personal selling and sales promotion, elaborate the difference between them.   4

16. What are the psychological factors that influence a consumer towards a product that a marketer needs to know and understand? Explain each briefly.   10

Or

What are the personal factors of a consumer that a salesman needs to know for selling a product? Explain each briefly.

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