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COMPUTER TECHNIQUE

(Vocational Stream)

(Computer Commercial Application)

Full Marks : 100

Time : 3 hours

The figures in the margin indicate full marks for the questions

GROUP—A

1. What is the inequality concerning arithmetic mean, geometric mean and harmonic mean? Justify your answer by finding the three means for the speed travelling from *A* to *B* at 60 km/hr and returning speed from *B* to *A* at 40 km/hr.   2+2=4

2. Define mode. What will be the mode for 1, 2, 2, 3, 4, 7?
     2+2=4

3. Define degrees of freedom of variance.   2

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

   (a) Coefficient of variation

   (b) Standard error

   (c) Geometric mean

   (d) Arithmetic weight

   (e) Best-fitting line

(2)

5. Calculate the standard deviation for the following sample data using assumed mean method. [choose 6 as assumed mean]   4

<div align="center">2, 4, 8, 6, 10, 12</div>

6. Define correlation coefficient and its usage. Which correlation coefficient is most commonly used in statistics?   2+2=4

<div align="center">Or</div>

Calculate standard error (SE) for sample size (n) = 5 and standard deviation (σ) = 17.   4

7. Find the median of the following ages of five children :   2

<div align="center">9, 12, 7, 16, 13</div>

<div align="center">GROUP—B</div>

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

(a) Differentiate between book-keeping and accounting.

(b) Give four important roles of an accountant of an enterprise.

(c) Differentiate between going concern and accrual concepts of accounting.

(d) Differentiate between debtor and creditor of an enterprise.

(e) Differentiate between debit and credit sides of accounting.

(f) Differentiate between fixed assets and current assets of a firm.

(3)

9. Define clearly with examples the three types of accounts.   5

10. Name and define the different modes of accounting.   5

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

    (a) Books of account

    (b) Advantages of double entry system of accounting

    (c) Financial statements

    (d) Objectives of accounting

    (e) Accounting as information system

12. Journalize the following transactions in the book of account of Chikky & Bros for the month of June 2018 giving narration for each :   10

    (i) On 10th June, paid wages ₹12,000

    (ii) On 11th June, paid rent by cheque ₹10,000

    (iii) On 13th June, paid salary to Mr. Charan ₹12,000

    (iv) On 14th June, purchased stationery from Kagaz and Co. and paid by cheque ₹5,000

    (v) On 15th June, received interest ₹14,000

    (vi) On 17th June, received commission by cheque ₹6,000

    (vii) On 18th June, rent received from Mr. Mody ₹8,000

    (viii) On 19th June, interest received from Mr. Biju by cheque ₹10,000

(4)

(ix) On 20th June, carriage paid on purchase of goods ₹3,000

(x) On 22nd June, carriage paid on sale of goods ₹2,000

GROUP—C

13. Compare between a joint stock and a proprietorship type of business organisation. What are the advantages and disadvantages of each of them?   2+2=4

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

(a) Online shopping

(b) Service sector businesses

(c) Characteristics of a good salesman

(d) After sales service and follow-up

15. What are the different types of rewards in selling? Explain each briefly.   4

16. Explain the product life cycle in terms of introduction, growth, maturity and decline.   10

Or

Explain best sales objections handling techniques.

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