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**I Semester B.Com (A&F) Degree Examination,
December/January-2025/26
COMMERCE
Quantitative Aptitude for Business Decisions
(NEP Scheme Repeaters)
Paper-1.2**

Time : 2½ Hours

Maximum Marks : 60

Instructions to the Candidates:

Answers should be written in English only.



SECTION - A

I. Answer any Five of the following sub-questions. Each sub question carries Two marks. (5×2=10)

1. a) Define Natural Numbers and give an example.
- b) What is meant by an Arithmetic Progression (AP)?
- c) Define Compound Interest.
- d) What is meant by Ratio?
- e) Define Linear Equation.
- f) What is a Matrix?
- g) Define Determinant.

SECTION - B

II. Answer any Four of the following questions. Each question carries Five marks. (4×5=20)

2. Find the HCF and LCM of 36, 48 and 60.
3. Find the 15th term of the Arithmetic Progression: 5,9,13,17,...
4. Find the Simple Interest on Rs.12,000 for 3 years at 8% per annum.
5. Divide Rs. 8,000 in the ratio 3:5 between A and B.
6. Solve the simultaneous equations: $2x+3y=12$ and $x-y=2$.

[P.T.O.]



SECTION - C

III. Answer any Two of the following questions. Each question carries Twelve marks.

(2×12=24)

7. A sum of Rs.10,000 is invested at 10% per annum compound interest for 3 years. Find the amount simple interest and compound interest.
8. If three terms are in Arithmetic Progression whose sum is 24 and product is 440, find the terms.
9. Solve the equations using Cramer's Rule:

$$x+2y=8$$

$$3x-y=5$$

SECTION - D

(Skill Development Questions)

IV. Answer any One of the following question. This question carries Six marks.

(1×6=6)

10. Write a note on application of Matix in business problems.
 11. Develop an Amortization Table for Loan Amount-EMI Calculation.
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