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**DEPARTMENT OF BBA[CA]**

Question Bank

Name of Subject – BUSINESS MATHS

**Q.1) Fill in the blanks.**

1) If the interest is calculate on the principal alone, then it is known as

 \_\_\_\_\_\_\_.

 (Simple Interest, Compound Interest, Annuity)

2) The price at which the articles are sold is called the \_\_\_\_\_ price.

 (Cost, Selling, Purchase)

3) If A and B matrices are of same order and A+B = B+A, this law is

 known as \_\_\_\_\_.

 (Commutative law, Associative law, Cramer's law)

4) The variables that help to decide the outcome are called \_\_\_\_\_\_\_.

 (Decision variables, Dependent variables)

5) The column, which is introduced in the transportation matrix to

 balance the rim requirements is known as \_\_\_\_\_\_\_.

 (Key Column, Idle column, Dummy Column)

6) The column, which is introduced in the transportation Matrix to

 balance the rim requirements, is known as \_\_\_\_\_\_.

 (Key column, Idle column, Dummy column)

7) The variables that help to decide the outcome are called \_\_\_\_\_\_.

 (Decision variables, Dependent variables)

8) If A and B matrices are of some order and A+B=B+A, this law is

 known as \_\_\_\_\_.

 (Commutative law, Associative law, Cramer’s law)

9) The price at which the articles are sold is called the \_\_\_\_\_\_price.

 (Cost, Selling, Purchase)

10) If the interest is calculated on the principal alone, then it is known

 as \_\_\_\_\_\_.

 (Simple interest, Compound Interest, Annuity)

**Q.2)Solve the following**

1) Find fourth proportional to 6,8,10.

2 A TV set is sold for A 36,375 at a loss of 15% find the purchase price of

 the TV set.

3) Find the number whose 30% is 360.

4) What are the components of Linear programming?

5) Define the term matrices?

6) What is percentage and how it is calculated?

7) What we mean by objective function in LPP.

8) An Amount of A 1,200 is deposited in a bank paying an annual interest

 rate of 5% compounded yearly. Find the Balance after 2 years.

9) What is transportation model?

10) Find out the total income received from the investment. If Rohit invested

 A 99,000 in 7½% Stocks at Rs. 81½ plus brokerage of A 1.

11) At what price will A 4,250 buy shares worth A 5000? (They are A 100

 shares).

12) A person invests his money in bank worth A 24,000. It is increasing at the

 rate of 5% every year. What will be the growth in his investment after 3

 years?

13) What is the 20% of 150 ?

14) Alfred buys an old scooter for A 4700 and spend A 800 on its repairs.

 If he sells the scooter for A 5800, his gain percent is what?

15) Write the steps of LPP formulation

16) Explain the North - west corner method (NWCM) method of TP?

17) Define the term matrices?

18) What are the components of linear programming?

19) Find the number whose 30% in 360.

20) A TV set is sold for ` 36,375 at a loss of 15%. find the purchase price of

 the TV set.

21) Find the simple interest on Rs. 7,000 at503% for a 9 months.

22) Find fourth proportional to 6,8,10.

23) Find out the total income received from the investment OF Rohit invested

 Rs. 99,000 in172% stocks at Rs.1812 plus Brokerage of `1.

24) What is transportation model?

25) An amount of `1,200 is deposited in a bank paying an annual interest rate

 of 5% compounded yearly. Find the balance after 2 years.

26) What we mean by objective function in LPP.

27) What is percentage and how it is calculated.

28) Explain the North West Corner Method (NWCM) method of TP?

29) Write the steps of LPP formulation?

30) Alfred buys an old scooter for Rs. 4,700 and spend Rs. 800 on its

 repairs. If he sells the scooter for Rs. 5,800 his gain percent is what?

31) What is the 20% of 150?

32) A person invests his money in bank worth `24,000. It is increasing at the

 rate of 5% every year. What will be the growth in his investment after 3

 years?

33) At what price will `4,250 buy shares worth `5,000? (They are `100 shares)