**Art and Design Department**

**Mid Spring 2020**

**Subject: Business Mathematics**

**Mr. Tuheed ur Rehman Max Marks: 30**

**Date: June 15, 2020**

Question 1: (4+ 4)

1. Define with examples;

* Equal Set
* Finite and Infinite Set

1. Given the sets *A* = { 0, 1, 4, 5 } and *B* = { 1, 4 }, Draw a Venn diagram of *A* and *B* using the universal set *U* = { 0, 1, 2, … , 8 }.

Question 2: (4+6)

1. Find the solution to the equation

5(x − 3) − 7(6 − x) = 24 − 3(8 − x) – 3

1. Solve the equation by using substitution method;

2x – y = 3

3x + 2y = 8

Question 3: (8+4)

1. Explain the concept of Time Value of Money with an example.
2. Define interest and its types.

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