

Art and Design Department
Midterm Assignment Spring 2020

Subject: Business Mathematics

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Max Marks: 30

Date: April 13, 2020

Question 1: (4+ 6)

- a) Being a student of Art and Design discuss the importance of Business Mathematics course in your professional life.
- b) Define with examples;
 - Equal Set
 - Finite and Infinite Set
 - Subset

Question 2: (4+6)

- a) Find the solution to the equation

$$8(x - 1) + 17(x - 3) = 4(4x - 9) + 4$$

- b) Solve the equation by using substitution or elimination method;

$$\begin{aligned} 3x + y &= 9 \\ 5x + 4y &= 22 \end{aligned}$$

Question 3: (6+4)

- a) Define ratio and proportion with examples; also explain three properties of proportion with an example.
- b) Explain the concept of Time Value of Money with an example.

Good Luck 😊