



Quiz-1 (Summer-2026)

Student ID:

Student Name:

Course Code: MAT 101

Course Title: Mathematics I

Section: 24-A

Date: 21/06/2026

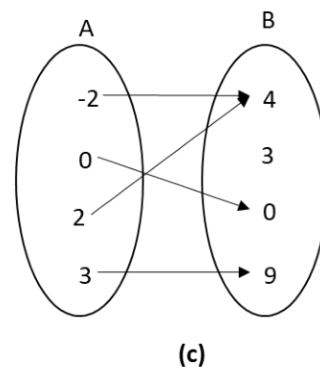
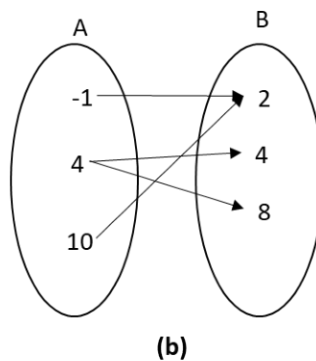
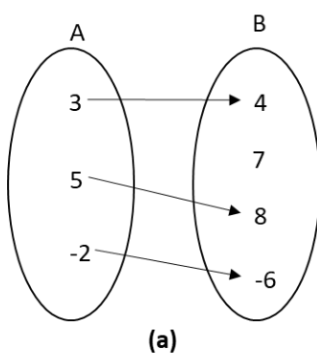
Full Marks: **15 Marks**

Time: **30 min**

Answer all the following questions

Question 1:

- i) Define function with example. **[2 marks]**
- ii) From the following diagram, clarify whether each represents a function from A to B . If it is a function, state whether it is one-one, onto, both or neither. Defend your answers. **[3*2=6 marks]**



Question 2: Compute the domain and range of following function:

- i) $f(x) = -4 + 2x$ **[1 mark]**
- ii) $f(x) = \frac{5x-3}{6-2x}$ **[2 marks]**
- iii) $y = x^2 + 5x + 6$ **[2 marks]**
- iv) $y = \sqrt{9-3x}$ **[2 marks]**

Start Writing from here: