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Quiz-1 (Summer-2026)

Student ID: ..... Student Name: .....

Course Code: MAT 101 Course Title: Mathematics I Section: 24-A

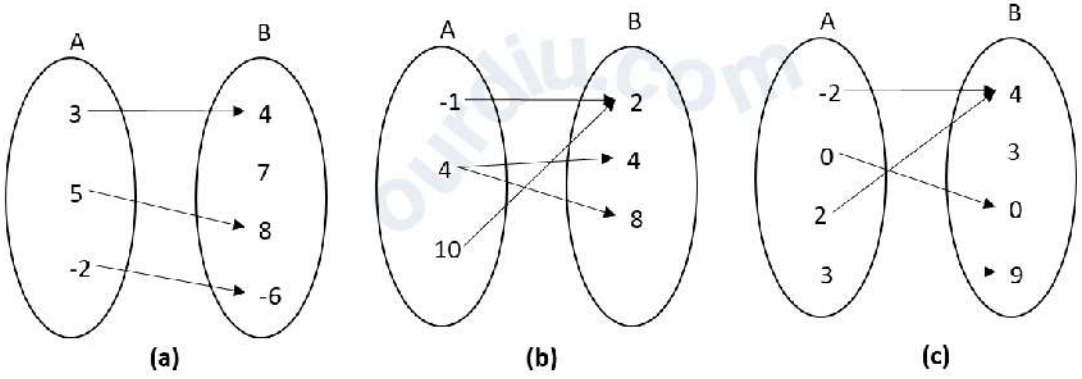
Date: 21/06/2026 Full Marks: **15 Marks** Time: **30 min**

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: