

Time: 10 Minutes	Paper Math 8 (T-5)	Total Marks: 10
2nd Month, 1st Week, 5th Day	Exercise 1.14, Q # (3, 4, 5)	

Q.No.1. Choose the correct option. (1 x 2 = 2) درست آپشن کا انتخاب کریں۔

i) If $A = \{a, b, c\}$, $B = \{b, d, f\}$ and $e = \{a, f, e\}$ then find $A \cup (B \cap C)$.

اگر $A = \{a, b, c\}$ ، $B = \{b, d, f\}$ اور $e = \{a, f, e\}$ تو $A \cup (B \cap C)$ معلوم کریں۔

(a)	$\{a, b, c, f\}$	(b)	$\{a, b, d, f, e\}$	(c)	$\{a, b, c, d\}$	(d)	$\{b, d, f\}$
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ii) $A = \{0\} = B = \{0, 1\}$ $A \cup B = ?$.

(a)	$\{\phi\}$	(b)	$\{1\}$	(c)	$\{0, 1\}$	(d)	$\{0\}$
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Q.No.2. Verify. (4) حل کریں

$$A = \{0\} \quad B = \{0, 1\} \quad C = \{ \}$$

$$A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$$

Q.No.3. Verify. d - morgan low if: (4) ڈی مارگن کے قانون کی پڑتال کریں۔

$$\cup = N$$

$$A = \phi \text{ and } B = P$$

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$$\cup = N$$

$$A = \phi \text{ and } B = P$$