

BCA/MAT-201 (AK)

2 0 2 2

(2nd Semester)

BACHELOR OF COMPUTER APPLICATIONS

Paper : MAT-201

(Mathematics—II)

KEY ANSWERS FOR OBJECTIVES

(PART : A—OBJECTIVE)

(Marks : 20)

1. Put a Tick (✓) mark against the correct answer in the brackets provided : 1×10=10

(a) (iii) 12

(b) (ii) $1/2$

(c) (iv) $3/8$

(d) (ii) $1/5$

(e) (iii) $\cos x \cos y \quad \sin x \sin y$

(f) (iv) Not defined

/471K

(2)

(g) (iii) only \tan and \cot are positive

(h) (iii) $n, n \in I$

(i) (i) $-1, 0, 0$

(j) (iv) $1, -3, 2$

2. (a)—(iii) $\{x : x \text{ is prime, } 20 < x < 30\}$

(b)—(iv) $\{x : x \text{ is a letter of the word 'BETTER'}\}$

(c)—(i) $\{x : x = 3^n, n \in N \text{ and } n \leq 5\}$

(d)—(ii) $\{x : x = n^3, n \in N, 2 \leq n \leq 6\}$

(e)—(v) $\{x : x = z, 2 < x < 3\}$

3. (a) 1000

(b) -1

(c) 2.7182

(d) 1

(e) 1
