

BCA/MAT : 101 (AK)

2 0 1 8

(1st Semester)

BACHELOR OF COMPUTER APPLICATION

Paper No. : MAT-101

(Mathematics—I)

(PART : A—OBJECTIVE)

(Marks : 20)

KEY ANSWERS FOR OBJECTIVES

The figures in the margin indicate full marks for the questions

1. Put a Tick mark against the correct answer in the box provided : 1×10=10

(a) (i) \sqrt{ab}

(b) (i) arithmetic progression

(c) (i) arithmetic progression

(d) (iii) ${}^n C_{n-r}$

(e) (ii) 1

(f) (ii) 1

/175K

(2)

(g) (i) 60

(h) (i) $n x^{n-1}$

(i) (ii) $\frac{\partial^2 u}{\partial x^2}$

(j) (i) $\frac{x^{n+1}}{n+1}$

2. State whether the following statements are *True (T)* or *False (F)* by putting a Tick (✓) mark : 1×5=5

(a) True

(b) True

(c) True

(d) False

(e) True

3. Fill up the blanks with appropriate answers : 1×5=5

(a) $-\cos x$

(b) $\log x$

(c) $-\cot x$

(d) $-\sin x$

(e) $\cos x$
