

Ba/Bs/Mat-101 (AK)

2 0 2 3

(Old Course)

(1st Semester)

MATHEMATICS

Paper No. : MAT-101

(Calculus—I and Algebra—I)

(PART : A—OBJECTIVE)

(Marks : 25)

KEY ANSWERS FOR OBJECTIVES

SECTION—I

(Marks : 10)

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

1. (c)

2. (b)

3. (d)

4. (b)

5. (c)

/44K

(2)

- 6. (a)
- 7. (c)
- 8. (a)
- 9. (d)
- 10. (a)

SECTION—III

(Marks : 5)

Fill in the blanks :

1×5=5

- 1. $2^x(\log 2)^2$
- 2. continuous
- 3. $-2\cos\frac{x}{2} + 2\sin\frac{x}{2} + c$
- 4. $\begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$
- 5. two

★★★