

Ba/Bs/Mat-501 (AK)

2 0 2 2

(5th Semester)

MATHEMATICS

Paper : MAT-501

(Mechanics—I and Numerical Methods)

(PART : A—OBJECTIVE)

(Marks : 25)

KEY ANSWERS FOR OBJECTIVES

SECTION—I

(Marks : 10)

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

1. (b)

2. (a)

3. (c)

4. (d)

5. (b)

(2)

6. (a)

7. (a)

8. (c)

9. (b)

10. (c)

SECTION—II

(Marks : 5)

B. Fill in the blanks :

1×5=5

1. A similar motion of the same period.

2. 2

3. $x = a(\sin)$, $y = a(1 - \cos)$

4. $\frac{{}^n f(a)}{n! h^n}$

5. $1 - E^{-1}$
