

**Ba/Bs/Mat-501 (AK)**

**2 0 1 7**

( 5th Semester )

**MATHEMATICS**

Paper No. : MAT-501

**( Mechanics—I and Numerical Methods )**

**KEY ANSWERS FOR OBJECTIVES**

( PART : A—OBJECTIVE )

( Marks : 25 )

SECTION—I

( Marks : 10 )

**A.** Choose the correct answer and put a Tick (✓) mark against the correct answer in the brackets provided :

1×10=10

1. (c)
2. (b)
3. (a)
4. (b)
5. (c)
6. (a)
7. (b)
8. (c)
9. (a)
10. (d)

( 2 )

SECTION—III

( Marks : 5 )

**B.** Fill in the blanks :

1×5=5

1.  $\frac{u^2 \sin^2 \alpha}{2g}$

2.  $\frac{V^2}{\rho}$

3. plane

4. symmetrical

5. 3

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