

**Ba/Bs/Mat-601 (AK)**

**2 0 1 9**

( 6th Semester )

**MATHEMATICS**

Paper : MAT-601

**( Mechanics—II and Vector Analysis )**

( PART : A—OBJECTIVE )

( Marks : 25 )

**KEY ANSWERS FOR OBJECTIVES**

SECTION—I

( Marks : 10 )

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

1. (c)

2. (b)

3. (a)

4. (c)

5. (a)

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( 2 )

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

SECTION—II

( Marks : 5 )

Fill in the blanks :

1×5=5

11.  $\int_S \text{curl } \vec{F} \cdot \hat{n} dS$

12.  $|\vec{a} \times \vec{b}|^2$

13.  $\mu R$

14.  $\bar{x} = \frac{\sum w_i x_i}{\sum w_i}$

15. The same resultant

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