

Ba/Bs/Mat-601 (AK)

2 0 1 7

(6th Semester)

MATHEMATICS

Paper No. : Mat-601

(Mechanics—II and Vector Analysis)

(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

SECTION—I

(Marks : 10)

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

1. (b)

2. (a)

3. (c)

4. (c)

5. (b)

/497K

(2)

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

SECTION—II

(Marks : 5)

Fill in the blanks :

1×5=5

- 11. a single force, couple
- 12. in equilibrium
- 13. $l \frac{\partial \phi}{\partial x} + m \frac{\partial \phi}{\partial y} + n \frac{\partial \phi}{\partial z}$
- 14. $\frac{1}{6}[\vec{a} \ \vec{b} \ \vec{c}]$
- 15. 0
