

**Bs/Phy (P & H)–601 (AK)**

**2 0 2 4**  
( 6th Semester )

**PHYSICS**

Paper : Phy–601 (P & H)

**( Atomic Physics, Particle Physics and Cosmic Rays )**

( 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. (d) Bohr model
2. (a) Nucleus is smaller than the atom
3. (c) Gyromagnetic ratio
4. (a) Sodium

**/667K**

( 2 )

5. (c) Raman effect
6. (b) Auger effect
7. (c) Electron
8. (d)  $\frac{2}{3}e$
9. (d) Absorption and scattering in the earth's atmosphere
10. (a) 25%

SECTION—III

( Marks : 5 )

Write *True* or *False* against each statement in the brackets provided : 1×5=5

1. *True*
2. *False*
3. *True*
4. *False*
5. *False*

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