

JEE MAIN STRUCTURE OF ATOM — NODES, RADIAL NODES AND ANGULAR NODES — PYQS

Max. Marks: 8

Questions: 2

Section A (MCQ) — 2 questions

Q.1 Match the LIST-I with LIST-II

[JEE Main 2026 (Online) 6th April Morning Shift]

Orbital		Radial nodes and nodal plane	
A.	2s	I.	1 Radial node + two nodal planes
B.	3s	II.	1 Radial node + one nodal plane
C.	3p	III.	2 Radial nodes + No nodal plane
D.	4d	IV.	1 Radial node + No nodal plane

(1) A-IV, B-I, C-III, D-II (2) A-IV, B-II, C-III, D-I

(3) A-III, B-I, C-IV, D-II (4) A-IV, B-III, C-II, D-I

Scan or tap for the full solution

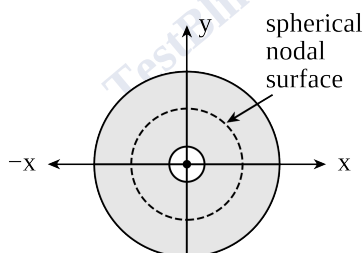

Q.2


Figure 1. electron probability density for 2s orbital

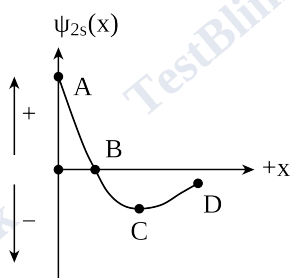


Figure 2. wave function for 2s orbital

Which of the following point in Figure 2 most accurately represents the nodal surface as shown in Figure 1?

[JEE Main 2026 (Online) 28th January Morning Shift]

(1) D (2) B (3) C (4) A

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2													
Ans.	4	2													