

Max. Marks: 8

Questions: 2

Q.1 Two radioactive substances A and B of mass numbers 200 and 212 respectively, shows spontaneous α -decay with same Q value of 1 MeV. The ratio of energies of α -rays produced by A and B is _____.

(1) $\frac{2548}{2650}$ (2) $\frac{2706}{2646}$ (3) $\frac{2597}{2600}$ (4) $\frac{2862}{2499}$

Scan or tap for the full solution



[JEE Main 2025 (Online) 28th January Morning Shift]

- (1) $n \rightarrow p + e^+ + \nu$ (2) $n \rightarrow p + e^- + \bar{\nu}$
(3) $n \rightarrow p + e^+ + \bar{\nu}$ (4) $n \rightarrow p + e^- + \nu$

Scan or tap for the full solution



Ques.	1	2								
Ans.	3	2								