

**Q1. Consider the species  $^{72}\text{Zn}$ ,  $^{75}\text{As}$  and  $^{74}\text{Ge}$ . These species have:**

- (a) the same number of electrons.
- (b) the same number of protons.
- (c) the same number of neutrons.
- (d) the same number of protons and neutrons.

**Correct Answer.** (c) the same number of neutrons.