

NEET CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES — PERIOD, GROUP AND BLOCK — PYQS

Max. Marks: 20

Questions: 5

Section A (MCQ) — 5 questions

- Q.1** Which among the following electronic configurations belong to main group elements?
- A. $[\text{Ne}]3s^1$ B. $[\text{Ar}]3d^34s^2$
 C. $[\text{Kr}]4d^{10}5s^25p^5$ D. $[\text{Ar}]3d^{10}4s^1$
 E. $[\text{Rn}]5f^06d^27s^2$
- Choose the correct answer from the option given below : [NEET (UG) 2025]

- (1) D and E only (2) A, C and D only
 (3) B and E only (4) A and C only

Scan or tap for the full solution



- Q.2** Match List I with List II:

List - I (Block/group in periodic table)		List - II (Element)	
A.	Lanthanoid	I.	Ce
B.	d-block element	II.	As
C.	p-block element	III.	Cs
D.	s-block element	IV.	Mn

Choose the correct answer from the options given below: [RE-NEET (UG) 2024]

- (1) A-I, B-II, C-IV, D-III (2) A-I, B-IV, C-III, D-II
 (3) A-I, B-IV, C-II, D-III (4) A-IV, B-I, C-II, D-III

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- Q.3** The element $Z = 114$ has been discovered recently. It will belong to which of the following family/group and electronic configuration ? [NEET 2017]

- (1) Carbon family, $[\text{Rn}] 5f^{14} 6d^{10} 7s^2 7p^2$
 (2) Oxygen family, $[\text{Rn}] 5f^{14} 6d^{10} 7s^2 7p^4$
 (3) Nitrogen family, $[\text{Rn}] 5f^{14} 6d^{10} 7s^2 7p^6$
 (4) Halogen family, $[\text{Rn}] 5f^{14} 6d^{10} 7s^2 7p^5$

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- Q.4** A nuclide of an alkaline earth metal undergoes radioactive decay by emission of three α -particles in succession. The group of the periodic table to which the resulting daughter element would belong is [AIPMT 2005]

- (1) Gr. 13 (2) Gr. 17 (3) Gr. 14 (4) Gr. 16

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- Q.5** An atom has electronic configuration $1s^2 2s^2 2p^6 3s^2 3p^6 3d^3 4s^2$, you will place it in which group? [AIPMT 2002]
- (1) fifth (2) fifteenth (3) second (4) third

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ANSWER KEY

Ques.	1	2	3	4	5						
Ans.	4	3	1	3	1						