

PYQSide

NEET D- AND F-BLOCK ELEMENTS — STANDARD ELECTRODE POTENTIALS OF M^{2+}/M AND M^{3+}/M^{2+} — PYQS

Max. Marks: 12

Questions: 3

Section A (MCQ)

Q.1 The E° value for the Mn^{3+}/Mn^{2+} couple is more positive than that of Cr^{3+}/Cr^{2+} or Fe^{3+}/Fe^{2+} due to change of [NEET (UG) 2024]

- (1) d^5 to d^4 configuration (2) d^5 to d^2 configuration
(3) d^4 to d^5 configuration (4) d^3 to d^5 configuration

Scan or tap for the full solution



Q.2 Four successive members of the first series of the transition metals are listed below. For which one of them the standard potential ($E^\circ_{M^{2+}/M}$) value has a positive sign? [AIPMT 2012 (Mains)]

- (1) Co ($Z = 27$) (2) Ni ($Z = 28$)
(3) Cu ($Z = 29$) (4) Fe ($Z = 26$)

Scan or tap for the full solution



Q.3 Which one of the following ions is the most stable in aqueous solution?

(At. No. Ti = 22, V = 23, Cr = 24, Mn = 25)

[AIPMT 2007]

- (1) V^{3+} (2) Ti^{3+} (3) Mn^{3+} (4) Cr^{3+}

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3								
Ans.	3	3	4								