

NEET D- AND F-BLOCK ELEMENTS — PREPARATION AND PROPERTIES OF $K_2Cr_2O_7$ — PYQS

Max. Marks: 16

Questions: 4

Section A (MCQ) — 4 questions

Q.1 Which one of the following statements is correct when SO_2 is passed through acidified $K_2Cr_2O_7$ solution? [NEET 2016 (Phase 1)]

- (1) SO_2 is reduced.
- (2) Green $Cr_2(SO_4)_3$ is formed.
- (3) The solution turns blue.
- (4) The solution is decolourised.

Scan or tap for the full solution



Q.2 Which of the following does not give oxygen on heating? [NEET 2013]

- | | |
|------------------|-----------------------|
| (1) $K_2Cr_2O_7$ | (2) $(NH_4)_2Cr_2O_7$ |
| (3) $KClO_3$ | (4) $Zn(ClO_3)_2$ |

Scan or tap for the full solution



Q.3 Which of the statements is not true?

[AIPMT 2012 (Prelims)]

- (1) On passing H_2S through acidified $K_2Cr_2O_7$ solution, a milky colour is observed.
- (2) $Na_2Cr_2O_7$ is preferred over $K_2Cr_2O_7$ in volumetric analysis.
- (3) $K_2Cr_2O_7$ solution in acidic medium is orange.
- (4) $K_2Cr_2O_7$ solution becomes yellow on increasing the pH beyond 7.

Scan or tap for the full solution



Q.4 Acidified $K_2Cr_2O_7$ solution turns green when Na_2SO_3 is added to it. This is due to the formation of [AIPMT 2011 (Prelims)]

- | | |
|--------------------|------------------|
| (1) $Cr_2(SO_4)_3$ | (2) CrO_4^{2-} |
| (3) $Cr_2(SO_3)_3$ | (4) $CrSO_4$ |

Scan or tap for the full solution



ANSWER KEY

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