

PYQSide

JEE MAIN COORDINATION COMPOUNDS — APPLICATIONS AND IMPORTANCE OF COORDINATION COMPOUNDS — PYQS

Max. Marks: 8

Questions: 2

Section A (MCQ)

- Q.1** The statements that are incorrect about the nickel(II) complex of dimethylglyoxime are :
- It is red in colour.
 - It has a high solubility in water at pH = 9.
 - The Ni ion has two unpaired d-electrons.
 - The N–Ni–N bond angle is almost close to 90° .
 - The complex contains four five-membered metallacycles (metal containing rings).

Choose the correct answer from the options given below :

[JEE Main 2026 (Online) 23rd January Morning Shift]

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

Scan or tap for the
full solution



- Q.2** A first row transition metal (M) does not liberate H_2 gas from dilute HCl. 1 mol of aqueous solution of MSO_4 is treated with excess of aqueous KCN and then $H_2S(g)$ is passed through the solution. The amount of MS (metal sulphide) formed from the above reaction is _____ mol.

[JEE Main 2026 (Online) 22nd January Morning Shift]

- (1) 1 (2) 2 (3) 0 (4) 3

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2										
Ans.	3	3										