

# PYQSide

## NEET PRINCIPLES RELATED TO PRACTICAL CHEMISTRY — QUALITATIVE SALT ANALYSIS OF CATIONS — PYQS

Max. Marks: 12

Questions: 3

### Section A (MCQ)

**Q.1** Match **List-I** with **List-II**

| List-I<br>(Ion) |                  | List-II<br>(Group Number in Cation<br>Analysis) |           |
|-----------------|------------------|-------------------------------------------------|-----------|
| A.              | Co <sup>2+</sup> | I.                                              | Group-I   |
| B.              | Mg <sup>2+</sup> | II.                                             | Group-III |
| C.              | Pb <sup>2+</sup> | III.                                            | Group-IV  |
| D.              | Al <sup>3+</sup> | IV.                                             | Group-VI  |

Choose the correct answer from the options given below :

[NEET (UG) 2025]

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

Scan or tap for the  
full solution



**Q.2** Given below are certain cations. Using inorganic qualitative analysis, arrange them in increasing group number from 0 to VI.

- A. Al<sup>3+</sup> B. Cu<sup>2+</sup>  
C. Ba<sup>2+</sup> D. Co<sup>2+</sup>  
E. Mg<sup>2+</sup>

Choose the correct answer from the options given below.

[NEET (UG) 2024]

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

Scan or tap for the  
full solution



**Q.3** Match **List-I** with **List-II** :

| List - I<br>(Test/reagent) |                         | List - II<br>(Radical<br>identified) |                              |
|----------------------------|-------------------------|--------------------------------------|------------------------------|
| A.                         | Lake Test               | I.                                   | NO <sub>3</sub> <sup>-</sup> |
| B.                         | Nessler's Reagent       | II.                                  | Fe <sup>3+</sup>             |
| C.                         | Potassium sulphocyanide | III.                                 | Al <sup>3+</sup>             |
| D.                         | Brown Ring Test         | IV.                                  | NH <sub>4</sub> <sup>+</sup> |

Choose the correct answer from the options given below :

[RE-NEET (UG) 2024]

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

Scan or tap for the  
full solution



### ANSWER KEY

| Ques. | 1 | 2 | 3 |  |  |  |  |  |  |  |  |  |  |
|-------|---|---|---|--|--|--|--|--|--|--|--|--|--|
| Ans.  | 4 | 1 | 4 |  |  |  |  |  |  |  |  |  |  |