

## NEET GENERAL PRINCIPLES OF ISOLATION OF ELEMENTS — REFINING — PYQS

**Max. Marks: 12****Questions: 3**

### Section A (MCQ) — 3 questions

**Q.1** Which one of the following methods can be used to obtain highly pure metal which is liquid at room temperature? [NEET (UG) 2021]

- (1) Zone refining                      (2) Electrolysis  
(3) Chromatography                  (4) Distillation

Scan or tap for the  
full solution



**Q.2** Which of the following pairs of metals is purified by van Arkel method? [AIPMT 2011 (Prelims)]

- (1) Ga and In                          (2) Zr and Ti  
(3) Ag and Au                        (4) Ni and Fe

Scan or tap for the  
full solution



**Q.3** The method of zone refining of metals is based on the principle of [AIPMT 2003]

- (1) greater mobility of the pure metal than that of the impurity  
(2) higher melting point of the impurity than that of the pure metal  
(3) greater noble character of the solid metal than that of the impurity  
(4) greater solubility of the impurity in the molten state than in the solid

Scan or tap for the  
full solution



### ANSWER KEY

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