

NEET GENERAL PRINCIPLES OF ISOLATION OF ELEMENTS — CONCENTRATION OF ORES — PYQS

Max. Marks: 28

Questions: 7

Section A (MCQ) — 7 questions

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

List - I (Ores)		List - II (Composition)	
a.	Haematite	i.	Fe_3O_4
b.	Magnetite	ii.	ZnCO_3
c.	Calamine	iii.	Fe_2O_3
d.	Kaolinite	iv.	$[\text{Al}_2(\text{OH})_4\text{Si}_2\text{O}_5]$

Choose the correct answer from the options given below: [NEET (UG) 2022]

- (1) (a)-(i), (b)-(ii), (c)-(iii), (d)-(iv)
 (2) (a)-(iii), (b)-(i), (c)-(ii), (d)-(iv)
 (3) (a)-(iii), (b)-(i), (c)-(iv), (d)-(ii)
 (4) (a)-(i), (b)-(iii), (c)-(ii), (d)-(iv)

Scan or tap for the
full solution

**Q.2** Which one is malachite from the following?

[NEET (UG) 2019]

- (1) Fe_3O_4 (2) $\text{CuCO}_3 \cdot \text{Cu}(\text{OH})_2$
 (3) CuFeS_2 (4) $\text{Cu}(\text{OH})_2$

Scan or tap for the
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**Q.3** Extraction of gold and silver involves leaching with CN^- ion. Silver is later recovered by [NEET 2017]

- (1) distillation (2) zone refining
 (3) displacement with Zn (4) liquation

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**Q.4** Match items of **Column I** with the items of **Column II** and assign the correct code :

[NEET 2016 (Phase 1)]

Column I		Column II	
a.	Cyanide process	i.	Ultrapure Ge
b.	Froth floatation process	ii.	Dressing of ZnS
c.	Electrolytic reduction	iii.	Extraction of Al
d.	Zone refining	iv.	Extraction of Au

Column I		Column II	
		v.	Purification of Ni

- (1) (a)-(i), (b)-(ii), (c)-(iii), (d)-(iv)
 (2) (a)-(iii), (b)-(iv), (c)-(v), (d)-(i)
 (3) (a)-(iv), (b)-(ii), (c)-(iii), (d)-(i)
 (4) (a)-(ii), (b)-(iii), (c)-(i), (d)-(v)

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**Q.5** "Metals are usually not found as nitrates in their ores." Out of the following two (I and II) reasons which is/are true for the above observation?

- I. Metal nitrates are highly unstable.
 II. Metal nitrates are highly soluble in water.

[AIPMT 2015 (Cancelled)]

- (1) I is false but II is true.
 (2) I is true but II is false.
 (3) I and II are true.
 (4) I and II are false

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**Q.6** Which one of the following is a mineral of iron?

[AIPMT 2012 (Prelims)]

- (1) Malachite (2) Cassiterite
 (3) Pyrolusite (4) Magnetite

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**Q.7** Sulphide ores of metals are usually concentrated by froth flotation process. Which one of the following sulphide ores offers an exception and is concentrated by chemical leaching? [AIPMT 2007]

- (1) Galena (2) Copper pyrite
 (3) Sphalerite (4) Argentite

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7				
Ans.	2	2	3	3	1	4	4				