



BLESSING TUITION & TUTORIAL CENTRE



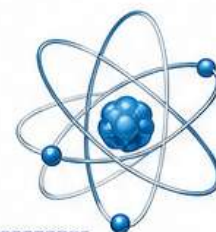
12TH STD CHEMISTRY

★ 1ST MID TERM EXAM IMPORTANT QUESTIONS 2026-27 ★

PART – B

IMPORTANT 2-MARK QUESTIONS

9. What are the various steps involved in the extraction of pure metals from their ores?
10. What is an inert pair effect?
11. Ionic crystals conduct electricity in molten state. Why?
12. What is pseudo first order reaction?
13. Schotten–Baumann reaction.
14. Write Saponification reaction.



PART – C

IMPORTANT 3-MARK QUESTIONS

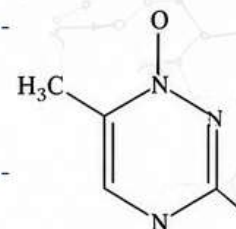
15. How is ore concentrated by Gravity separation method?
16. Give reason for anomalous property of the first element in P-block elements.
17. Barium has a BCC unit cell with a length 508 pm along an edge. Calculate density of barium.
18. Differentiate Order and Molecularity of reaction.
19. Write tests to distinguish phenol and alcohols.



PART – D

IMPORTANT 5-MARK QUESTIONS

20. (a) Explain the electrometallurgy of aluminium.
(OR)
(b) Explain the structure of Diborane.
21. (a) Differentiate Crystalline solid and Amorphous solid.
(OR)
(b) Derive rate constant equation for first order reaction.
22. (a) Write Victor Meyer test to differentiate 1°, 2°, 3° alcohol.
(OR)
(b) C_6H_6O (A) compound gives violet colour with neutral $FeCl_3$. A gives B with $NaOH/CO_2$. When B is hydrolysed, it gives C with formula $C_7H_6O_3$. Find A, B, C.



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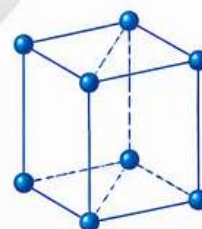
1ST MID TERM EXAM IMPORTANT QUESTIONS 2026-27

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PART – II

11. Give the limitations of Ellingham diagram.
12. Write the role of limestone in the extraction of Iron from its oxide Fe_2O_3
13. What is Catenation?
14. Give the uses of Argon.
15. Define unit cell.
16. Define half life of a reaction.
17. Write Kolbe's reaction
18. Glycerol $\xrightarrow[\Delta]{\text{KHSO}_4}$?



PART – III

19. Explain the gravity separation process.
20. Write the uses of Borax.
21. Write short note on hydroboration.
22. Explain Frenkel defect.
23. Give the characteristics of ionic crystal.
24. Give the difference between order and molecularity of a reaction.
25. What is saponification reaction?
26. If the rate constant of a first order reaction is $1.54 \times 10^{-3} \text{ s}^{-1}$, calculate its half life period.



PART – IV

27. Explain the electrolytic refining of silver.

(OR)

Differentiate Diamond and Graphite.



28. a) Sulphuric acid is a dehydrating agent. Give examples. (3)
- b) How will you prepare chlorine in the laboratory? (2)

(OR)

Calculate the percentage efficiency of packing in case of BCC crystal.

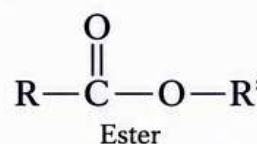


29. Derive integrated rate law for a zero order reaction.

(OR)

Write the following reactions.

- a) Schotten Baumann reaction (3)
- b) Esterification reaction.



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