

By. Er. Dharmendra Sir

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

**GENERAL PRINCIPAL AND PROCESS OF
ISOLATION OF ELEMENTS**

SESSION -2024-25

CLASS - 12th

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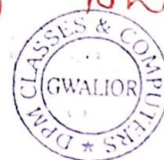
Time: 1 hr General principal and process of Isolation of Elements

Q.1. Why is an external Emf of more than 2.2V required for the extraction of Cl_2 from brine?



Q.2. Wrought iron is the purest form of iron. Write a reaction used for the preparation of wrought iron from cast iron. How can the impurities of Sulphur, Silicon and phosphorus be removed from cast iron?

Q.3. How is copper extracted from low grade copper ores?



Q.4. How do we separate two sulphide ores by froth method? Explain with an example.

Q.5. Why is sulphide ore of copper heated in the furnace after mixing with silica?

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Q.6. The mixture of compounds A and B is passed through a column of Al_2O_3 by using alcohol as eluant. Compound A is eluted in preference to compound B. Which of the compound A or B more readily absorbed on the column?

Q.7. Why are sulphide ores converted to oxide before reduction?



Q.8. What is the role of flux in metallurgical process?

Q.9. Write down the reactions taking place in blast furnace related to the metallurgy of iron in the temperature range 500-800 K.

Q.10. Give two requirements for vapour phase refining.



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