



# **CHEMISTRY**

## **NCERT - FULL MARKS**

### **CHEMISTRY(TAMIL)**

# **GENERAL INTRODUCTION TO METALLURGY**

**Questions Fillup The Blanks**

1. The earthy impurities associated with ores are .....



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2. Froth flotation process is suitable for concentrating ..... ores.



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3. Highly pure metals are obtained by .....  
process



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4. Gangue + flux  $\rightarrow$  .....



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5. A mineral from which metal can be  
profitably extracted is called .....



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6. The coefficient of thermal conductivity of copper is nine times that of steel. One end of copper is maintained at  $100^{\circ}\text{C}$  and the other end of steel is maintained at  $0^{\circ}\text{C}$ . If the corresponding lengths of the copper and iron are 18cm and 6cm respectively, What will be the temperature at the junction of copper and steel ?



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7. .... is used as a foaming agent.



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## Questions Write In One Or Two Sentence

1. Distinguish between ore and mineral with suitable example ?



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2. What are the elements obtained from sea water source?



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3. What are the different methods of concentration of ores?



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4. What is gravity separation ?



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5. Name the ores which are concentrated by froth floatation process.



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6. Define Metallurgy



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7. Write down the steps involved in a metallurgical process.



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8. What is calcination? Give example.



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9. What is the 5 R principle?



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**10. What is meant by dielectric ?**



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**11. What is anode mud ?**



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**12. What do you understand by the following terms (i) roasting (ii) smelting**



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## Questions Explain Briefly On The Following

1. Write short note on source of element in living system.



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2. Explain froth floatation, with diagram.



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3. How electrolytic separation process is useful in the separation of magnetic impurities from nonmagnetic ores? Draw the diagram.



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4. What are the informations conveyed by a chemical equation ?



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5. What is roasting ? Explain different types of roasting with suitable example.



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6. What is smelting ? Explain the process with example.



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7. What is Zone refining ? Describe the principle involved in the purification of the

metal by this method.



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**8.** How nickel is extracted by Mond's process?

Write the various reactions involved in the process.



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**9.** Write short note on mineral wealth of India.



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**10.** Give a brief account of the mineral wealth of Tamil Nadu



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