



**M.Tech. II Semester Degree Examination, Sept./Oct. - 2024**

**MINERAL PROCESSING**

**Indian Mineral Deposits**

**(NEP)**

Time : 3 Hours

Maximum Marks : 70

**Note :** (i) Question No. 1 is **Compulsory**.  
(ii) Answer **any five** of the following.

1. (a) Explain the types of Mineral Resources. **7**  
(b) What do you mean by Critical and Essential mineral, with examples ? **7**
2. (a) Describe the process flow sheet for beneficiation of Bauxite Ore. **7**  
(b) Throw light on Chromite ore deposits of India. **7**
3. (a) Explain the Genesis and distribution of Iron ore deposits. **7**  
(b) Explain mode of occurrence of Lead and Zinc deposits and their distribution in India. **7**
4. (a) Elucidate the mode of occurrence and distribution of Diamond deposits in India. **7**  
(b) Describe the process flow sheet for beneficiation of Beach Sands. **7**
5. Write a note on formation and types of Coal. **14**
6. (a) Explain Manganese ore distribution in India. **7**  
(b) Explain copper deposits of India. **7**
7. (a) Write a note on gold deposits of India. **7**  
(b) Write a note on abrasive minerals. **7**
8. (a) Write a note on precious metals. **7**  
(b) Write a note on mode of occurrence and distribution of Radioactive minerals. **7**

