

Central Tribal University of Andhra Pradesh
Semester End Examination – November-2024

Name of the Program: **UG Programs opted Geology as MDC-III**

Name of the Course : **Mineral Resources of India**

Course Code: **MDC-204**

Credit: **3**

Semester: **III**

Max Time: **3.00 hrs**

Max. Marks: **70**

Part-A

(Answer ALL the following questions. Each question carries 1 mark)

10q x 1M=10M

1. What is an ore?
2. What is the carbonate of Manganese?:
a. Pyrolusite b. Manganite c. Rhodochrosite d. None of the above
3. What are the ores of Iron?
4. Plastic is derived from:
a. Coal b. Nuclear minerals c. Hydrocarbons d. None of the above
5. What are Refractory minerals?
6. Uranium-238 shows which type of decay?
a. Beta decay b. Alpha decay c. Gamma decay d. X-ray
7. What is Hydrocarbon?
8. Composition of Barytes?:
a. BaCo_3 b. BaSo_4 c. BaO d. None of the above
9. What is the composition of limestone?
10. What is Phosphorite?

Part-B

Answer any four questions. All questions carry 5 marks each. (4q x 5m=20M)

11. Explain the importance of Gypsum in Fertilizers industry in India precisely.
12. Write a short note on processes of formation mineral deposits/ores.
13. What are the primary sources of Uranium & Thorium in India? Brief.
14. Brief the importance of limestone in the fertilizer industry of India.
15. List the major regions in India where bauxite is found & its uses in short.
16. Describe the economic potential of Iron ore deposits in India in brief.

Part-C

Answer either A or B from each question. All questions carry 10 marks each.

(4q x 10m = 40M)

17. A. Enumerate on different processes of formation of Mineral deposits and geological associations.
(Or)
B. Explain how mineral deposits are spatially associated with geological formations in India.
18. A. Describe the distribution of manganese ore in India. Why is manganese ore vital for the country's industry?
(Or)
B. Give an account of distribution, reserves of Iron ore deposits in India with Applications & uses?
19. A. What are nuclear deposits? Write an Essay on their distribution & reserves in India.
(Or)
B. What are placer deposits? Describe their formation with Indian examples.
20. A. Where are gold and platinum group elements found in India? Explain their economic potential
(Or)
B. Discuss the occurrence and utilization of industrial minerals in India
