



COLLEGE OF ENGINEERING, PUNE

(An Autonomous Institute of Government of Maharashtra.)
SHIVAJI NAGAR, PUNE - 411 005

END Semester Examination

(MT-205 Geology and Ore Dressing)

Course: B.Tech

Branch: Metallurgical Engineering

Semester: Sem IV

Year: 2014-2015

Max.Marks:60

Duration: 3 Hours Time:- 10.00 am

Date:28-11-2014

Instructions:

MIS No.

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1. Figures to the right indicate the full marks.
2. Mobile phones and programmable calculators are strictly prohibited.
3. Writing anything on question paper is not allowed.
4. Exchange/Sharing of anything like stationery, calculator is not allowed.
5. Assume suitable data if necessary.
6. Write your MIS Number on Question Paper

SECTION-1 (GEOLOGY)

1. Describe the process of formation of Coal. Give a brief account on Coal deposits of India with special reference to Maharashtra.10 Marks
2. Write notes on:10 Marks
 - a) Sedimentary Deposits of Economic Importance.
 - b) Supergene Sulphide Enrichment Process.
3. Give a detailed account on the Iron Ore deposits of India. Cite a suitable example.10 Marks

SECTION-2 (Ore Dressing)

1. Explain in detail working of Jaw and Roll Crusher.6 Marks
2. State the difference between crushing and grinding. Describe process of grinding.6 Marks
3. Define classification. Explain in detail hydraulic classifiers.6 Marks
4. State the different concentration methods used. Explain any one process.6 Marks
5. Write short note on following:6 Marks
 - a) Rittingers and stokes law
 - b) Pelletisation process