CBCS Scheme

USN ☐☐☐☐☐☐☐☐☐☐   **15MN43**

Fourth Semester B.E. Degree Examination, Dec.2017/Jan.2018
Mining Geology – II

Time: 3 hrs.   Max. Marks: 80

Note: Answer any FIVE full questions, choosing
ONE full question from each module.

Module-1

1   a. Write the different classification of Geology and note on Mining Geology.   (08 Marks)
    b. Explain the limits of economic geology for mining industries.   (08 Marks)

OR

2   a. Define arc, arc deposits, identifications and economic importance of arc body.   (08 Marks)
    b. Write the role of mining geologist for mining industries.   (08 Marks)

Module-2

3   a. Explain on classification of mineral deposits.   (08 Marks)
    b. Write notes on metamorphic deposits with few ----- as examples.   (08 Marks)

OR

4   a. Define :
        i)   Arc mineral
        ii) Gangue mineral
        iii) Tenor of arc.   (08 Marks)
    b. Write note on hydrothermal deposits formation and its economic minerals.   (08 Marks)

Module-3

5   a. Write notes n Indian distribution of lead and zinc deposits.   (08 Marks)
    b. Explain on India radioactive minerals recurrence and limitations.   (08 Marks)

OR

6   a. Write Indian occurrence of gold deposits and few current producing gold mines.   (08 Marks)
    b. Write notes on Indian copper deposits and few importance working copper mines.   (08 Marks)

Module-4

7   a. Define physical and chemical properties of colas.   (08 Marks)
    b. Write notes on migration of petroleum and natural gas.   (08 Marks)

OR

8   a. Explain different stages of coal formation and its origin.   (08 Marks)
    b. Write notes on oil fields oil fields of India.   (08 Marks)

Module-5

9   a. Write notes on geo physical prospecting methods for mineral exploration.   (08 Marks)
    b. Define sampling and different method of sampling.   (08 Marks)

OR

10 a. Write notes on remote sensing techniques for prospecting.   (08 Marks)
    b. Define sub-surface mapping and limitations.   (08 Marks)

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