

Total No. of Questions : 4]

SEAT No. :

P-5379

[Total No. of Pages : 2

[6186]-505

S.E. (Civil Engg.) (Insem.)

ENGINEERING GEOLOGY

(2019 Pattern) (Semester - III) (207009)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Attempt Q1 or Q2 and Q3 or Q4.
- 2) Figures to the right indicate full marks.
- 3) Neat diagram must be drawn wherever necessary.
- 4) Assume suitable data, if necessary and clearly state.
- 5) Use of electronic pocket calculator is allowed.

**Q1)** a) Explain process of mechanical and residual deposits of sedimentary rocks. [5]

b) Discuss in detail thermal and cataclastic process of metamorphism. [5]

c) Explain rock forming and economic group of minerals. [5]

OR

**Q2)** a) Give the classification of igneous rocks based on silica percentage. [5]

b) Explain various physical properties of minerals. [5]

c) Explain the processes of disintegration and decomposition of the rocks. [5]

**Q3)** a) Describe types of unconformities with neat sketches. [5]

b) Describe Vindhyan system with its civil engineering significance. [5]

c) Explain types of landforms formed by deposition of river. [5]

OR

P.T.O.

- Q4)** a) Explain various types of basalts found in Deccan trap area. [5]
- b) Describe principles of correlation. [5]
- c) Describe in detail physiographic divisions of India. [5]

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