

Total No. of Questions : 4]

SEAT No. :

PC385

[6359]-505

[Total No. of Pages : 1

**S.E. (Civil Engineering) (Insem)**  
**ENGINEERING GEOLOGY**  
**(2019 Pattern) (Semester-III) (207009)**

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

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

- Q1)** a) Define Mineral Explain various physical properties of minerals. [5]  
b) What are agents of Metamorphism? Explain their role in metamorphism. [5]  
c) Define hardness of mineral and explain in detail Moh's scale of hardness. [5]

OR

- Q2)** a) What is Rock? Explain classification of igneous rocks on the basis of their mode of occurrence. [5]  
b) Discuss classification of sedimentary rocks on the basis of Clastic sediments. [5]  
c) Explain various process of weathering of rocks. [5]
- Q3)** a) Explain the general principles of Stratigraphy. [5]  
b) Describe in detail physiographic divisions of India. [5]  
c) Describe various rock types occurring in Deccan Trap Area. [5]

OR

- Q4)** a) Explain types of landform formed by erosion action of river. [5]  
b) Write note on Archaens and Dharwars. [5]  
c) Write note on stages of rivers. [5]

