

Total No. of Questions : 4]

SEAT No. :

PE-532

[Total No. of Pages : 1

[6578]-5

S.E. (Civil) (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 diagram must be drawn wherever necessary.
- 3) Figure to the right indicates full marks.
- 4) Assume suitable data, if necessary and clearly state.
- 5) Use of electronic pocket calculator is allowed.

- Q1)** a) Explain process of Rock Weathering. [5]  
b) Give the classification of igneous rocks based on silica percentage. [5]  
c) Explain felsic and mafic group of minerals. [5]

OR

- Q2)** a) Describe classification of sedimentary rocks [5]  
b) Explain various physical properties of minerals. [5]  
c) What is metamorphism? Explain the types of metamorphism. [5]

- Q3)** a) Explain the general principles of Stratigraphy. [5]  
b) Describe Vindhyan system with its civil engineering significance. [5]  
c) Explain types of landforms formed by deposition of river. [5]

OR

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

