

Total No. of Questions : 4]

SEAT No. :

PA-2483

[Total No. of Pages : 1

[5931]-5

S.E. (Civil)

ENGINEERING GEOLOGY

(2019 Pattern) (Semester - I) (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) Figure to the right indicate full marks.
- 4) Assume suitable data, if necessary and clearly state.
- 5) Use of electronic pocket calculator is allowed.

- Q1)** a) What is Rock? Explain classification of igneous rocks on the basis of their mode of occurrence. [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) Explain various physical properties of minerals. [5]
- b) Discuss classification of sedimentary rocks on the basis of grain size. [5]
- c) Explain various process of weathering of rocks. [5]

- Q3)** a) What is an unconformity? Describe types of unconformities with neat sketches. [5]
- b) Explain types of landforms formed by erosion action of river. [5]
- c) Describe Archean and Dharwar formation with its civil engineering significance [5]

OR

- Q4)** a) Describe in detail physiographic divisions of India. [5]
- b) Explain the general principles of Stratigraphy. [5]
- c) Describe various rock types occurring in Deccan Trap Area. [5]

