

Total No. of Questions—5]

[Total No. of Printed Pages—2

Seat No.	
-------------	--

[5352]-110

S.E. (Civil) (II Sem.) EXAMINATION, 2018

ENGINEERING GEOLOGY

(2012 PATTERN)

Time : Two Hours

Maximum Marks : 50

N.B. :— (i) All questions are compulsory.

(ii) Neat diagrams must be drawn wherever necessary.

(iii) Figures to the right indicate full marks.

(iv) Assume suitable data, if necessary.

Q.1 a) Describe in detail classification of Sedimentary rocks. [06]

b) Discuss in brief the Igneous Rocks Classification by genetics [04]

OR

a) Describe in detail the classification of Metamorphic rocks [06]

b) Describe the structure and streak physical property of mineral with suitable examples. [04]

Q.2 a) Define a Fault. Discuss in detail parts of fault also discuss different types of fault [06]

b) Explain how folds are converted to faults in detail. [04]

OR

a) Explain in detail the Vindhyan system. [06]

b) Describe in detail the Unconformity with suitable sketches. [04]

Q.3 a) How geophysical studies support the preliminary geological explorations at engineering projects. [04]

b) Write in brief Preservation of Cores. [04]

OR

a) Describe in detail the groundwater movement. [04]

b) Explain in brief earthquakes. [04]

P.T.O.

- Q.4 a) Discuss the feasibility of tunnel which is passing through [08]
1. Compact Basalt
2. Amygdaloidal Basalt.
- b) Discuss in brief how geology plays a vital role in dam failures. [04]
- OR
- a) Discuss feasibility of Dam site on dipping beds [08]
- b) Application of remote sensing techniques in engineering projects [04]
- Q.5 a) What are the landslides? How to classify the various mass movements? [06]
- b) How weathering and textural variation affect the durability of dimension stones [04]
with suitable example
- OR
- a) Write a note on hill slope stability. [06]
- b) Write a note on ex bow. [04]