

Civil

COLLEGE OF ENGINEERING-PUNE

END SEM EXAM-APRIL -2013

Subject—Engineering Geology

Division--- 5Y BTech (Civil)

Marks-50

Time-3 hrs

Instructions—

- 1. All Questions are compulsory
- 2. Figures to the right indicate full marks
- 3. Draw neat figures wherever necessary.

Q.1 Describe the correct procedure of surface geological surveys at a Dam site? (10)
Quote a suitable example.

OR

Q.1 Short notes on-(any two) 05 marks each (10)

- a) Strength of rocks from dam foundation point of view
- b) Limitations of drilling
- c) Returning drill water.

Q.2 Describe in details the Preventive measures against landslides with suitable Diagrams? (10)

Q.3 Write detailed notes on---(05 marks each) (10)

- a) Large diameter drill holes
- b) Tunneling in Compact Basalt

Q.4 Describe how texture and mineral composition decide suitability of a rock as a good building stone? (10)

Q.5 a) Describe the importance of Geological studies for Reservoirs'? (05)
Cite suitable examples?

b) Describe the importance of Angle drill holes ? (05)
Cite suitable examples?

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