



UNIVERSITY OF NORTH BENGAL
B.Sc. Honours 5th Semester Examination, 2020

CC12-GEOLOGY

ENGINEERING GEOLOGY

Full Marks: 40

ASSIGNMENT

*The questions are of equal value.
The figures in the margin indicate full marks.*

Answer any *four* questions from the following

10×4 = 40

1. Enumerate the geological factors taken into account in fixing the site of a dam?
How folds may play an important role in engineering projects? 10
2. Describe methods for safety of structures in earthquake prone areas. 10
3. What are geological factors affecting stability of slopes? 10
4. Differentiate between grouting and rock bolting. What are different types of grouting? 10
5. Write short notes on (any *two*) 10
 - (a) Rock Structure Rating (RSR)
 - (b) Rock Mass Rating (RMR)
 - (c) Tunnelling quality index (Q)
6. What are the purposes of tunnel? Discuss the engineering consideration which favours the stability, economy and safety of tunnels. 10

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