



GOVERNMENT COLLEGE OF ENGINEERING, AMRAVATI
(An Autonomous Institute of Government of Maharashtra.)

CLASS TEST-II

CEU-301: Engineering Geology & Hydrology

Course: B.Tech , Sem III

Branch: Civil Engineering

Max.Marks:15

Duration-1 hr

Date: 18/09/2017

Instructions:

1. Figures to the right indicate the full marks.
2. Mobile phones and programmable calculators are strictly prohibited.
3. Writing anything on question paper is not allowed.
4. Exchange/Sharing of stationery, calculator etc. not allowed.
5. Write your Registration ID Number on Question Paper

- Q.1 Classify and describe the various types of faults in rocks with suitable figures. 05
What engineering problems are created by the presence of faults in civil engineering works?
- Q.2 Describe the different geometric elements and types of folds with suitable figures. 05
- Q.3 What is aquifer? Explain the various types of aquifers. 05
OR
- Q.4 Enumerate the importance of groundwater recharge. Briefly explain the various spreading methods of artificial groundwater recharge. 05

CIVIL-APPLIED MECHANICS DEPARTMENT

Class Test-II Date-21/09/15

Total Marks-15

Time-1 hr

Course Code: - CEU 301: ENGG.GEOLOGY & HYDROLOGY

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- Q.1 What are the factors, which affects infiltration? Explain any one methods of determining the infiltration capacity of a soil surface. 04
- Q.2 Define unconformities. How are they formed? Classify different types of unconformities. How are they recognized in the field? 04
- Q.3 a) What is fold? Explain with a neat Sketch the elements of fold. Classify and describe different types of folds. 03
- b) Explain the different components of hydrological cycle. 01
- C) Write short notes on any one of the following *Explain in detail* 03
- i) Classify the rocks on the basis of porosity and permeability
- ii) Explain the different methods of artificial groundwater recharge.
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