

Reg. No.

III SEMESTER B.TECH (CIVIL ENGINEERING)

END SEMESTER EXAMINATIONS, NOV/DEC 2015

SUBJECT: ENGINEERING GEOLOGY [CIE- 2105]

REVISED CREDIT SYSTEM

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitable assumed.

1A.	Write short notes on- (a) Interior of the earth (b) Geological time-Scale	03 03
1B.	Explain different physical properties of minerals based on light	04
2A.	Explain any two forms of Igneous rocks	02
2B.	With neat sketches explain different structures in sedimentary rocks	04
2C.	Define the term metamorphism. Explain in detail role of different agents of metamorphism	04
3A.	Distinguish clearly between (a) P-Waves and S-waves (b) Magnitude and intensity of earth quakes	04
3B.	Describe in brief different Geological action of River	06
4.	Discuss the principal geological requirements which have to be taken into consideration on the selection of sites for dams and reservoir	10
5A.	Write short notes on (a) Electrical resistivity survey for groundwater exploration (b) Principles of Remote sensing	4+2
5B.	What are landslides? Explain different preventive measures of land slides	04