oll No. Total No. of Pages : 02
otal No. of Questions : 09
B.Tech. (CE) (Sem4th)
ROCK MECHANICS & ENGINEERING GEOLOGY
Subject Code : CE-210 Paper ID : [A0610]
ime: 3 Hrs. Max. Marks: 60
ISTRUCTION TO CANDIDATES :
1. SECTION-A is COMPULSORY consisting of TEN questions carrying. TWO marks each
SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A

SECTION-B

- 2. Explain with the help of neat sketches various f
- 3. Discuss the principal types of faults on the bas
- Explain what physical tests would you carry or hand specimens. Give examples.
- 5. What are earthquakes? Explain in detail the c
- 6. What are different techniques for improvemen for Tunnels?

SECTION-C

- What are the joints? How are they classified neat sketches.
- Give an account of physical properties, chen occurrence and uses of MICA group of minera
- Discuss in detail the plate load test to determine mass.

(j) RQD

I. Write briefly:

(a) Weathering of rocks

(b) Abrasion by rivers

(c) Glacial Moraines

(e) Reverse fault

(h) Epicentre

(f) Earthquake waves

(g) Stress Strain curve of Igneous Rocks

(d) Apparent and true dip

(i) Shear Tests on Rocks