

Reg. No:



MANIPAL INSTITUTE OF TECHNOLOGY
(Constituent College of MAHE – Deemed University)

Manipal – 576 104.



THIRD SEMESTER B.E. (CIVIL)

MAKE-UP EXAMINATION JANUARY - 2007

ENGINEERING GEOLOGY (CIE –209)

(Revised Credit System)

16-01-2007

TIME: 3 HRS.]

[MAX. MARKS: 50

Note: Answer any FIVE full questions
Illustrate your answers with neat sketches

- Q. 1. Discuss the importance of rock type, rock structure and rock condition in the selection of tunnel site (10)
- Q2. (a) Define the terms Rocks and minerals (02)
(b). Describe with a neat sketches explain the following textures –
Porphyritic, graphic, holohyaline, Equigranular (08)
- Q 3. Write short on
(a) Stages of River development (b) Fracture (c) Seismographs
(d) Seismogram (2.5x4=10)
- Q 4. (a). Distinguish between confined and unconfined aquifers. (04)
(b) Explain with a neat graph how seismic refraction method is adopted to determine the depth of water table. (06)
- Q 5. Explain with neat sketch different types of faults in rocks (10)
- Q 6. Write short notes on-
• (a) Types of metamorphism (b) structures in sedimentary rocks
(4+6=10)