

KATHMANDU UNIVERSITY
End Semester Examination
August/September, 2017

SEP 13 2017

Level : B.E.
Year : II
Time : 2 hrs. 30 mins.

Course : CIEG 209
Semester: II
F. M. : 40

SECTION "B"

[5Q × 5 = 25 marks]

Attempt *ANY FIVE* questions:

1. Write down the importance of Engineering Geology in the field of Civil Engineering.
2. Discuss the causative factors of Gorkha Earthquake 2015 in detail.
3. Describe the engineering geological investigation of tunnel in detail with reference to Nepal Himalaya with suitable diagrams.
4. Discuss the engineering geological investigation of road in Nepal Himalaya on the basis of structural geology and lithology.
5. Discuss the process of erosion, transportation and deposition of river activities in detail.
6. Write down at least two specific engineering uses of limestone, sandstone, marble, granite and gneiss rocks.

SECTION "C"

[2 Q. × 4 = 8 marks]

7. Differentiate between (*ANY TWO*)
 - a. Normal fault and reverse fault
 - b. Syncline fold and anticline fold
 - c. Igneous rock and metamorphic rock

SECTION "D"

[2 Q. × 3.5 = 7 marks]

8. Write Short Notes on (*ANY TWO*)
 - a. Building site exploration and foundation
 - b. Varnes' classification of slope movements
 - c. Work of rivers

