

E291-3

GEL 301 GEOLOGY

Time: Two Hours

Marks: 50

Total eight question. Write answers of any three questions. Each question has fourteen (14) marks.

1. Write note; Study of Silica family.
2. Write detailed note: Study of Feldspathoid family.
3. Explain: Study of Amphibole family.
4. Describe: Study of Pyroxene family.
5. Discuss: Study of Aluminosilicate family.
6. Describe; Extinction and interference colours.
7. Discuss: Uniaxial and Biaxial interference figures.
8. Explain: Optic sign determination and optic accessories.

PART II (Compulsory)

Write answers of any four questions out of eight questions. Each question contains two (02) marks.

9. Write short answer (Multiple Choice Questions):

1. Chemical composition of orthoclase feldspar is
 - (A) $K_2OAl_2O_36SiO_2$.
 - (B) $MgOAl_2O_36SiO_2$.
 - (C) $Na_2OAl_2O_36SiO_2$.
 - (D) $CaOAl_2O_36SiO_2$.
2. Green colour mineral is
 - (A) Orthoclase.
 - (B) Albite.
 - (C) Anorthite.
 - (D) Microcline.
3. Colour of the Biotite is
 - (A) Green.
 - (B) Brown.
 - (C) Blue.
 - (D) Black.

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