

2019

3rd Semester Examination

GEOLOGY (Honours)

Paper - C5P

(Igneous Petrology-Lab)

Full Marks : 20

Time : 3 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Answer all the questions.

1. Find the given specimens (two) of rock and identify them. 2 × 2.5
2. Identify the given thinsection of rock and describe the texture, mineralogy properly with next sketch. 5
3. Plot the given modal percentages of mineral in IUGS classification of granitic rock and gabbroic rock respectively and name them.

(a) Quartz = 10%, alkali feldspar = 30%, plagioclase = 60%

[Turn Over]

(2)

(b) Orthopyroxene = 40%, clinopyroxene = 30%

Plagioclase = 30% 2 × 2.5

4. Laboratory Note Book. 2

5. Viva-voce 3
