



GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM.

(Affiliated to Adikavi Nannaya University)

I B.Sc., GEOLOGY –(2019-20)

SECOND SEMESTER

Model Question Paper

(Mineralogy and Optical Mineralogy)

Time: 2 ½ Hours

Max.Marks: 50

PART- A

Answer all the Questions. *Each Question carries 8 marks*

4 x 8 = 32M

1. Explain different types of Silicate Structures with suitable sketches and mineral examples

OR

Explain different physical properties of minerals

2. Describe the Pyroxene group of Minerals.

OR

Describe physical & chemical properties and mode of occurrence of Amphiboles

3. Describe physical & chemical properties and mode of occurrence of Feldspars

OR

Describe the Quartz group of Minerals.

4. What are different optical properties of minerals? Explain.

OR

Explain different optical properties studied under Microscope

PART- B

Answer any **Six** Questions. *Each Question carries 3 marks*

6 x 3 = 18M

5. Rock forming and ore forming minerals
6. Isomorphism and polymorphism.
7. Name the feldspathoid minerals with chemical compositions
8. Snell's law
9. Parts of microscope
10. Define Pyro electricity and Piezo electricity.
11. Moh's Hardness Scale
12. Define Uniaxial and Biaxial minerals



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I B.Sc., GEOLOGY PRACTICALS – 2019-20

PRACTICAL MODEL QUESTION PAPER FOR Course II

At the End of II Semester

Time: 3 hours

Max.Marks: 50

- 1) Description of Physical Properties, Diagnostic features of Minerals (4Nos)
4X5=20
- 2) Identification of thin sections of mineral and describe the optical Properties
4X5=20
- 3) Record Preparation 10 Marks

50 Marks
