



Government College (Autonomous), Rajamahendravaram

(Affiliated to Adikavi Nannaya University)

II B.Sc., GEOLOGY 2019-20

IV SEMESTER

Model Question Paper

Course II: Structural Geology & Palaeontology

Time:3 Hours

Max.Marks:60

SECTION- A

Answer all the Questions. *Each Question carries 10 marks*

4 x 8 = 32M

- 1) What are faults? How do you classify them? Describe with neat sketches.
OR
Classify and describe different types of folds and describe the criteria for their recognition in the field
- 2) Describe different types of unconformities and discuss the criteria for their recognition
OR
Write an essay on joints.
- 3) Define Stratigraphy. What are different Principles of Stratigraphy
OR
Write an essay on Standard Geological Time Scale
- 4) Describe different Physiographic Features of India with their structural Characteristics.
OR
Write an essay on geological timescale of India

SECTION- B

Answer any Five Questions. *Each Question carries 4 marks*

5 x 4 = 20M

- 5) Define Hinge and axis of folds
- 6) Inlier and Outlier
- 7) Columar Joints
- 8) Fault scrap
- 9) Graben & Horst
- 10) Recognition of faults in the field
- 11) Order of superposition
- 12) Lithostratigraphy

SECTION- C

Answer all the Questions. *Each Question carries 2 marks*

4 x 2 = 8 M

- 13) Anticline and Syncline
- 14) What are symmetrical and asymmetrical ripples?
- 15) Mention few rock types found in Peninsular India
- 16) What is the difference between Azoic and palaeozoic eras?



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Practical Model Question Paper

Paper II: Structural Geology

1. Interpretation of Geological Maps	_____	1 X 10=10
2. Problems	_____	1 X 10=10
3. Stereographic Projection	_____	1 X 5= 5
4. Chronological sequence	_____	1 X 10=10
5. Viva-Voce	_____	5
6. Record	_____	10 m
TOTAL		50 Marks