



GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM.

II B.Sc., IV SEMESTER END EXAMINATION – 2017-18

Module IV: STRUCTURAL GEOLOGY & METAMORPHIC PETROLOGY

Model Question paper

Time: 3 Hours

Max.Marks:75

SECTION- A

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

4 x 10 = 40M

1. Define strike and dip of a bed .Describe with neat sketch the instrument normally used by a Geologist to determine it.

OR

What are faults? How do you classify them? Describe with neat sketches.

2. What are primary structures? Describe how they are useful in determining the top and bottom beds.

OR

Classify and describe different types of folds and describe the criteria for their recognition in the field.

3. Describe different types of unconformities and discuss the criteria for their recognition

4. Enumerate various types of Metamorphism

OR

Define Metamorphism. Discuss various agents of metamorphism. Add a note on the process of metamorphism

SECTION- B

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

5 x 3 = 15M

5. Define Hinge and axis of folds
6. Inlier and Outlier
7. Foliation and Lineation
8. Columar Joints
9. Fault scrap
10. Palingenesis
11. Define metamorphic Facies
12. Eclogite



SECTION- C

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

10 x2 = 20 M

13. What are slicken sides?
14. Define Recumbent fold.
15. What is Optalic Metamorphism
16. What is Strike slip fault?
17. What is retrograde metamorphism?
18. What do you mean by over step?
19. Crystalloblastic texture.
20. Plunging fold.
21. Palimpsest Texture
22. What do you mean by foliation?

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM.

II B.Sc., GEOLOGY (2016-17)

Internal assessment (Practical)

Unit Test _____ 15m

Viva –Voice _____ 10 m

_____ 25 m
