Central Tribal University of Andhra Pradesh
Semester End Examination – Jan/Feb-2024

Name of the Program: B.Sc. Geology

Name of the Subject: Physical Geology and Geodynamics (Major)

Subject Code : ~~CHE101~~ GEO101 **Semester:** I

Max Time: 3 Hours   **Max. Marks: 70**

Part-A
Answer all ten questions. Each question carries 1 mark each.

10q x 1m =10

1. What is the age of the earth?
2. Where the asteroid belt is present?
3. What is the shape of the earth?
4. What is the composition of the Earth's Core?
5. Define Geomorphology
6. Define the "Focus" of the earthquake
7. Coral reefs are the landforms formed by_____
8. The statement Present is the key to the past is given by_____
9. Himalayan mountains formed due to the _____ continental plates.
10. What is the shape and size of volcanic bombs_____

Part-B
Answer any four questions. All questions carry 5 marks each.

4q x 5m = 20

11. Give a brief note on Kepler's Laws of Planetary Motion.
12. Write a short note on the nebular hypothesis.
13. Give a Brief description of the Lithosphere
14. Principle of uniformitarianism
15. Give a neat flowchart of endogenic and exogenic geomorphic processes.
16. Illustrate various landforms of groundwater

Part-C

Answer either A or B from each question. All questions carry 10 marks each.
4q x 10m = 40

17. A) Write a critical essay about the Solar System with neat illustrations

OR

B) Write a critical essay on salient features of the earth as a planet in the solar system

18. A) Write a critical essay on the 'interior of the Earth'

OR

B) Write an essay on the Standard geological time scale and its significance in understanding the earth's history.

19. A) Define Weathering. Explain in detail about various types of weathering processes.

OR

B) Discuss in detail the geological action of Rivers and their associated landforms.

20. A) Explain in detail the products of volcanoes with neat sketches.

OR

B) Write a detailed note on different types of plate boundaries and their associated landforms with neat illustrations.