

2/MDC-168 Syllabus-2023

2026
(May-June)

FYUP : 2nd Semester Examination

MULTI DISCIPLINARY COURSE
(**Physical Geology and Geodynamics**)

(MDC-168)

Marks : 56

Time : 2½ hours

*The figures in the margin indicate full marks
for the questions.*

Answer Question No. **1** and **any four** from the rest.

1. Answer any *four* of the following questions :

4×4=16

- (a) Give a labelled diagram of interior of the earth with discontinuities.
- (b) What is a fault? Name different types of fault.
- (c) What causes earthquakes? Name the scale used for measuring strength of earthquake.
- (d) Define an anticline and a syncline. Give neat diagrams.

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(Turn Over)

- (e) What is stratigraphic correlation?
List different types of stratigraphic correlation.
- (f) Write a note on Shillong group of rocks.
2. What are plate boundaries? Explain the convergent plate boundaries with neat sketch and examples. 2+8=10
3. What is stress? Discuss the different types of stress that causes deformation of rocks. 2+8=10
4. Define stratigraphy. List and discuss the principles of stratigraphy. 2+8=10
5. Give the stratigraphic table of tertiary rocks of Upper Assam. 10
6. (a) What are seismic waves? Add a note on characteristics of the different types of waves. 2+5=7
- (b) Write a note on evidences supporting plate tectonics theory. 3
7. Define linear and planar structures. Discuss in detail the various elements of a fold with a neat diagram. 2+8=10
