

**2025/FYUG/ODD/SEM/
GEODSM-101T/265**

FYUG Odd Semester Exam., 2025

GEOGRAPHY

(1st Semester)

Course No. : GEODSM-101T

(Fundamentals of Physical Geography)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

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

UNIT—I

1. Answer any two from the following : 2×2=4

(a) What is a nebula?

(b) Why is volcanic activity often associated with mountain building?

(c) Why is our earth called as unstable earth?

2. Answer any one from the following : 10

(a) Define physical geography. Discuss the nature and scope of physical geography.

2+3+5=10

(2)

- (b) What is 'plate tectonics'? Name the major plates of the world. What are the different effects of plate tectonics on the earth's surface? $2+3+5=10$

UNIT—II

3. Answer any *two* from the following : $2 \times 2 = 4$

- ~~(a)~~ What is an atmosphere?
(b) Name the different types of Jet streams.
~~(c)~~ What is an air mass?

4. Answer any *one* from the following : 10

- ~~(a)~~ Describe the structure of the atmosphere stating different characteristics of each of its layer. 10

- (b) What are fronts? Classify and describe their characteristics. $2+2+6=10$

UNIT—III

5. Answer any *two* from the following : $2 \times 2 = 4$

- (a) Distinguish between zonal and intra-zonal soils.

- ~~(b)~~ What do you understand by biotic succession?

- ~~(c)~~ Distinguish between Alfisols and Ultisols.

6. Answer any *one* from the following : 10

- ~~(a)~~ What is soil genesis? Discuss the essential aspects of soil genesis. 2+8=10
- (b) Discuss the ecological aspects of either Savanna or Monsoon forest biomes. 10

UNIT—IV

7. Answer any *two* from the following : 2×2=4

- ~~(a)~~ How the submarine ridges has been formed?
- ~~(b)~~ Why do currents in the North Indian ocean change their direction in summer and winter?
- (c) Classify the marine deposits on the basis of their location and origin.

8. Answer any *one* from the following : 10

- ~~(a)~~ Discuss the general characteristics of the ocean currents. 10
- (b) What are coral reefs? Evaluate critically the subsidence theory of coral reef formation. 2+8=10

UNIT—V

9. Answer any *two* from the following : $2 \times 2 = 4$

(a) Why is biosphere important?

~~(b)~~ Distinguish between food chain and food web.

~~(c)~~ What is biotic community?

10. Answer any *one* from the following : 10

~~(a)~~ Describe the structure of an ecosystem by taking an example of pond ecosystem. 10

(b) With the help of a diagram, explain the process of hydrological cycle. $3+7=10$
