

2 0 2 3

(CBCS)

(1st Semester)

GEOGRAPHY

FIRST PAPER

(Physical Geography)

(Revised)

Full Marks : 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

(SECTION : A—OBJECTIVE)

(Marks : 10)

Tick (✓) the correct answer in the brackets provided :

1×10=10

1. The interstellar dust hypothesis was proposed by

- (a) Immanuel Kant ()
- (b) James Jeans and Harold Jeffreys ()
- (c) Otto Schmidt ()
- (d) H. N. Russel ()

2. The oldest Era of earth's geologic history is

- (a) Palaeozoic Era ()
- (b) Precambrian Era ()
- (c) Cambrian Period ()
- (d) Silurian Period ()

3. Geologic processes powered by the wind are called
 - (a) Eolian processes ()
 - (b) Coriolis processes ()
 - (c) Barchan processes ()
 - (d) Yardang processes ()
4. Hills of sand formed by deposition and shaped by the movement of winds in desert or arid landforms are
 - (a) inselbergs ()
 - (b) dunes ()
 - (c) barchans ()
 - (d) crests ()
5. The topmost layer of the earth known as the lithosphere is made-up of
 - (a) silica and aluminium ()
 - (b) silica and magnesium ()
 - (c) nickel and ferrous ()
 - (d) None of the above ()
6. The name given by Alfred Wegener to a large continent was
 - (a) Pangaea ()
 - (b) Panthalassa ()
 - (c) Angaraland ()
 - (d) Gondwanaland ()
7. The shallow portion of the ocean which lies close to the continental margin is called
 - (a) continental rise ()
 - (b) continental slope ()
 - (c) abyssal plain ()
 - (d) continental shelf ()
8. The average salinity of ocean water is
 - (a) 27 parts per thousand ()
 - (b) 35 parts per thousand ()
 - (c) 41 parts per thousand ()
 - (d) 54 parts per thousand ()
9. Which one is not the component of hydrological cycle?
 - (a) Precipitation ()
 - (b) Infiltration ()
 - (c) Evaporation ()
 - (d) Gully ()
10. The combined water loss to the atmosphere by evaporation from the soil and transpiration from the plant is known as
 - (a) precipitation ()
 - (b) surplus evapotranspiration ()
 - (c) deficit evapotranspiration ()
 - (d) evapotranspiration ()

(SECTION : B—SHORT ANSWERS)

(Marks : 15)

Write short notes on the following :

3×5=15

UNIT—I

1. Big Bang theory

OR

2. Palaeozoic Era

UNIT—II

3. Folds

OR

4. Denudation

UNIT—III

5. Sea-floor spreading

OR

6. Distribution of volcanoes

UNIT—IV

7. Salinity of ocean water

OR

8. Different types of tides

UNIT—V

9. Convectional rainfall

OR

10. Evaporation

(SECTION : C—DESCRIPTIVE)

(Marks : 50)

Answer the following questions :

10×5=50

UNIT—I

1. Discuss the nature and scope of physical geography. 10

OR

2. Critically examine the nebular hypothesis of Marquis de Laplace. 10

UNIT—II

3. Describe the landforms made by the work of a river. 10

OR

4. Mention the landforms produced by glacier. 10

UNIT—III

5. Explain in brief the theory of plate tectonic theory. 10

OR

6. What is an earthquake? Explain the earthquake waves. 2+8=10

UNIT—IV

7. Present the surface configuration of the ocean floor. 10

OR

8. Define ocean current. Explain the current of *either* Pacific Ocean *or* Atlantic Ocean. 2+8=10

UNIT—V

9. Define precipitation. Mention the distribution of rainfall over the globe. 2+8=10

OR

10. Describe the impacts of human on hydrological cycle. 10

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3
4

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