

**HS/XI/A.Sc/Geo/22****2022****GEOGRAPHY****( Theory )***Full Marks : 70**Pass Marks : 21**Time : 3 hours**The figures in the margin indicate full marks for the questions**General Instructions :*

- (i) Write all the answers in the Answer Script.
- (ii) Attempt Part 'A' Objective Questions serially.
- (iii) Attempt all parts of a question together at one place.

( PART : A — OBJECTIVE )

GROUP — A

( Marks : 24 )

1. Choose and write the correct answer : 1×6=6

(a) “Geography is concerned with the description and explanation of areal differentiation of the earth’s surface”.

- (i) Hettner
- (ii) Hartshorne
- (iii) Slamp
- (iv) Ratzel

(b) Plate Tectonics was developed by

- (i) Arthur Holmes
- (ii) Harry Hammond Hess
- (iii) Mc Kenzie, Parker and W.J. Morgan
- (iv) Alfred Lothar Wagener.

(c) When magma pushes the upper layer with great force and assumes a dome shape it is called

- (i) Lacolith
- (ii) Lapolith
- (iii) Phacolith
- (iv) Batholith.

(d) Marble is an example of which rock

- (i) Igneous Rock
- (ii) Metamorphic Rock
- (iii) Sedimentary Rock
- (iv) All of the above.

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(e) Transfer of heat through matter by molecular activity is called

(i) Radiation

(ii) Conduction

(iii) Convection

(iv) Advection.

(f) The totality of the physical and chemical factors which constitute the general environment is called

(i) Ecology

(ii) Habitat

(iii) Ecosystem

(iv) Ecological systems.

2. Write whether the following statements are *True* or *False*.  $1 \times 6 = 6$

(a) Nebula hypothesis was propounded by Sir James Jeans.

(b) Pedology is the science that study the soil.

(c) Pampas are grassland situated in Africa.

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(d) Indira Point is the southernmost point of the country.

(e) Himadri are the tallest of the Himalayas range.

(f) Storm Surge are classified as Aquatic Natural Disaster.

3. Fill in the blank spaces by choosing the correct answers from the options given within the bracket:

$1 \times 6 = 6$

(a) Prolonged period of inadequate rainfall marked with maldistribution of the same over time and space is called \_\_\_\_\_ (Meteorological/Agricultural/Ecological) drought.

(b) Parkland is a term situated with (Tropical rain forest/Tropical Savanna/Grassland)

(c) Esker are remnant of the depositional work of \_\_\_\_\_. (River/Glacier/Wind).

(d) Climatology is a branch of Physical Geography originating from \_\_\_\_\_ (Geology/Meteorology/Hydrology).

(e) Which of the planets are Terrestrial planets \_\_\_\_\_. (Jupiter/Mars/Saturn).

(f) Asthenosphere is situated in which part of the earth's layer \_\_\_\_\_ (Crust/Mantle/Core).

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4. Match the following and write the corresponding number of *Column-B* against the options of *Column-A*.

1 × 6 = 6

<i>Column — A</i>	<i>Column — B</i>
a. Epicentre	(i) Diastrophism
b. Orogenic processes	(ii) Karakoram
c. Boreal forest	(iii) Natural Disaster
d. Isotherm	(iv) Earthquake
e. Godwin Austin (K-2)	(v) Taiga
f. Blizzards	(vi) Temperature

GROUP – B

( Marks : 22 )

5. Answer the following questions in short in *one* or *two* sentences only:

1 × 8 = 8

- (a) Name the neighbouring country surrounding India?
- (b) What is a Food Chain?
- (c) What is Mass movement?

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- (d) What is Regional Geography?
- (e) What are divergent plate boundary?
- (f) Name the types of volcanoes?
- (g) What are the consequences of flood?
- (h) What is a Tidal Current?

6. Distinguish between :

2 × 7 = 14

- (a) Waves and Currents
- (b) Continental Shelf and Continental Slope.
- (c) Alluvial Soils and Black Soils.
- (d) Social forestry and Agro-forestry.
- (e) Flood and Drought.
- (f) Benthonic zone and Pelagic zone.
- (g) List the names of countries on the West and East surround India.

( PART : B — DESCRIPTIVE )

( Marks : 24 )

1. Define precipitation. Explain the various forms of precipitation.

1 + 7 = 8

**( 7 )**

*Or*

Explain the planetary wind belt of the globe. Draw a diagram to support your answer.  $6 + 2 = 8$

- 2.** What are the factors determining the climate of India.  
What are the consequences of Global Warming?  $6 + 2 = 8$

*Or*

Define soil. Describe any three soil types found in India.  $2 + 6 = 8$

- 3.** Divide Peninsular Plateau into three broad groups.  
Describe any one in detail.  $1 + 7 = 8$

*Or*

Name the Himalayan drainage system. Describe any one in detail.  $1 + 7 = 8$

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