

**HS/XI/A.Sc/Geo/20****2020****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)* The layer of the earth that contains life is

- (i)* Lithosphere
- (ii)* Atmosphere
- (iii)* Biosphere
- (iv)* Hydrosphere.

*(b)* The word 'Geography' was first used by

- (i)* Eratosthenes
- (ii)* Aristotle
- (iii)* Herodotus
- (iv)* Plato.

*(c)* Population Geography is a branch of

- (i)* Physical Geography
- (ii)* Human Geography
- (iii)* Regional Geography
- (iv)* Economic Geography.

*(d)* Caves are formed by

- (i)* Glaciers
- (ii)* Wind
- (iii)* Rivers
- (iv)* Underground water.

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(e) The gas that saves us from harmful ultra-violet radiation is

- (i) Oxygen
- (ii) Methane
- (iii) Ozone
- (iv) Helium

(f) Majuli, the largest riverine island is found in the river

- (i) Indus
- (ii) Ganga
- (iii) Brahmaputra
- (iv) Godavari.

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

- (i) The Aravallis are examples of young fold mountains.
- (ii) The hardest mineral found on the surface of the earth is diamond.
- (iii) Isobars are imaginary lines drawn on maps to show areas of equal air pressure.

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(iv) The general direction of flow of river Ganga is from east to west.

- (v) Carbon dioxide is an important green house gas.
- (vi) Maximum rainfall in India is received from the South West Monsoons.

3. Fill in the blank spaces by choosing the correct answers from the options given within the bracket:  $1 \times 6 = 6$

- (i) \_\_\_\_\_ is the description of the earth's surface. (Geology/Geography/Geomorphology)
- (ii) The most destructive waves are \_\_\_\_\_. (S-waves/P-waves/L-waves)
- (iii) The disintegration of rocks is termed as (Erosion/Deposition/Weathering).
- (iv) \_\_\_\_\_ is separated from India by Palk Strait (Sri Lanka/Myanmar/Bangladesh).
- (v) Cloud formation process is called \_\_\_\_\_. (Precipitation/Insolation/Condensation).
- (vi) Koppen identified \_\_\_\_\_ major climatic types which are denoted by letter symbols (Five/Eight/Ten).

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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>
1. Ten Degree Channel	(i) Coromandel Coast
2. Eight Degree Channel	(ii) Bay of Bengal
3. As	(iii) Andaman and Nicobar Islands
4. Aw	(iv) Arabian Sea
5. Narmada	(v) Lakshadweep and Minicoy Islands
6. Mahanadi	(vi) Tropical Savannah.

GROUP – B  
( Marks : 22 )

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

1 × 8 = 8

- (i) Name the three types of rocks.
- (ii) What are tropical cyclones?
- (iii) Define precipitation.

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- (iv) Name two tributaries of river Ganga.
- (v) What is an ecosystem?
- (vi) What are natural hazards?
- (vii) What is insolation.
- (viii) What is a light year.

6. Distinguish between :

2 × 7 = 14

- (i) Human and Physical Geography.
- (ii) Endogenic and Exogenic forces.
- (iii) Erosion and Deposition.
- (iv) Troposphere and Tropopause.
- (v) Himalayan and Peninsular rivers.
- (vi) Continental Shelf and Continental Slope.
- (vii) Khadar and Bhangar.

( PART : B — DESCRIPTIVE )

( Marks : 24 )

1. What does the theory of Plate Tectonics explain? Describe the three types of plate boundaries with suitable diagrams.

2 + 4 + 2 = 8

**( 7 )**

*Or*

What are winds? Describe the different types of planetary winds (i.e., general circulation of atmosphere).  $2+6=8$

- 2.** Describe the factors that affect the distribution of temperature of the ocean water. 8

*Or*

Divide India into physiographic divisions. Explain the Himalayan region in detail.  $2+6=8$

- 3.** Give an account on the temperature and rainfall conditions of India in its four different seasons. 8

*Or*

What is bio-diversity? Give an account of the ecological and economic role of biodiversity.  $2+3+3=8$

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