

**2021**

(CBCS)  
(1<sup>st</sup> Semester)  
**GEOGRAPHY**

FIRST PAPER  
**[Physical Geography- Pre Revised]**

*Full Marks: 75*

*Time: 2 hours*

**INSTRUCTIONS TO CANDIDATES**

(Please read the instructions carefully before you start writing your answers)

1. Questions should be attempted as per instructions.
2. Do not copy the Questions. Indicate the Section and Question No. clearly while attempting the answer.
3. For Multiple choice answers, candidate should indicate the Question No., Sub. No., (if any) and the correct answer.  
For example :

1. *Name the State capital of Mizoram.*

(a) *Lunglei*

(b) *Aizawl*

(c) *Champhai*

Candidate should provide answer as—Q. No. 1 : (b) *Aizawl*  
[Candidate should avoid writing only (b) ]

4. Section B - Answer to Short Answer should be limited to **One Page** only.
5. The figures in the margin indicate full marks for the questions.

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**SECTION : A – OBJECTIVE**

( Marks: 30 )

Choose the correct answer from the following:

1x30=30

1. Inter-stellar dust Hypothesis was propounded by
  - a) Laplace
  - b) Kepler
  - c) Otto Schmidt
  - d) Kant
2. The term Big Bang was first used by
  - a) Stephen Hawking
  - b) Fred Hoyle
  - c) Albert Einstein
  - d) C.V Raman
3. Our Universe is about
  - a) 15 million years old
  - b) 10 million years old
  - c) 20 million years old
  - d) 5 million years old

4. Ratzel's work was based on the concept of
  - a) Physical environment controlled human activities
  - b) There is dichotomy between physical and cultural aspects of geography
  - c) Geography is a scientific discipline
  - d) Geography is not a discipline
5. Physical Geography is also called
  - a) Earth Science
  - b) Comparative Science
  - c) Science of Universe
  - d) Synthetic Science
6. The material yet-unseen in the Universe is
  - a) Black hole
  - b) Galaxy
  - c) Dark matter
  - d) Ozone
7. The extent of the atmosphere is as far as
  - a) 6900 Kms
  - b) 9600 Kms
  - c) 5900 Kms
  - d) 12000 Kms
8. The percentage of Nitrogen in the atmosphere is
  - a) 78.08 %
  - b) 20.9 %
  - c) 69 %
  - d) 34.8 %
9. The first layer of the atmosphere is
  - a) Stratosphere
  - b) Mesosphere
  - c) Troposphere
  - d) Exosphere
10. The basic of the Koppen's classification of climate is
  - a) Monthly Humidity
  - b) The amount of cloud
  - c) Distribution of natural vegetation
  - d) Monthly temperature and rainfall

11. The terms Monsoon is derived from
- a) Arabic word
  - b) Hindi word
  - c) An English word
  - d) German word
12. Tropical Cyclone mostly originates over
- a) Hot Equatorial forest
  - b) Warm tropical Ocean
  - c) Low temperature desert
  - d) High Attitude
13. Which rocks is formed from the cool molten Magma
- a) Sedimentary rock
  - b) Metamorphic rock
  - c) Igneous rock
  - d) Granite
14. Which of the following rock has layered structure?
- a) Igneous rock
  - b) Sedimentary rocks
  - c) Metamorphic rock
  - d) Marble
15. Which one is not formed by endogenetic forces
- a) Mountain
  - b) Plateau
  - c) Plain
  - d) 'V' shape valley
16. Which one is the factor / Agent of exogenetic forces
- a) Volcano
  - b) Earthquake
  - c) Running water
  - d) Landslide
17. The outer core of the earth consists of
- a) Lead and Mercury
  - b) Iron and Silver
  - c) Iron and Nickel
  - d) Magnesium and Silica

18. Continental Drift Theory was propounded by

- a) Alfred Wegener
- b) William Davis
- c) Penk
- d) Immanuel Kant

19. Neap tide occurs in

- a) Full Moon
- b) Quarter Moon
- c) Half Moon
- d) New Moon

20. Ocean salinity is highest in

- a) The equatorial Region
- b) 20° N and 40° N Latitudes
- c) 70° N Latitudes
- d) 55° N and 60° N Latitudes

21. The largest water reservoir on this planet is

- a) World Ocean
- b) Glacier
- c) Ground water
- d) Rivers

22. Abyssal Plain covers

- a)  $\frac{1}{2}$  of the Ocean Floor
- b)  $\frac{1}{4}$  of the Ocean Floor
- c)  $\frac{2}{3}$  of the Ocean Floor
- d)  $\frac{2}{5}$  of the Ocean Floor

23. The average salinity of ocean water is

- a) 27 parts per thousand
- b) 35 parts per thousand
- c) 31 parts per thousand
- d) 34 parts of thousand

24. Which one is not the factor of ocean current?

- a) Variation of salinity
- b) Inclination of the sun
- c) Density of water
- d) Variation of temperature

25. Sublimation is the process when
- a) Water is converted in to ice
  - b) Ice is converted into liquid
  - c) Water vapour converted into ice
  - d) Ice is converted into water vapour
26. Continental rainfall is characterised by
- a) Normal precipitation
  - b) Minimum precipitation
  - c) Maximum precipitation
  - d) None of the above
27. The ground water constitutes
- a) 24 % of fresh water on Earth
  - b) 21 % of fresh water on Earth
  - c) 40 % of fresh water on Earth
  - d) 14 % of fresh water on Earth
28. The water turns into Solid form is
- a) Evaporation
  - b) Respiration
  - c) Condensation
  - d) Percolation
29. Massive increase in erosion often associated with
- a) Degradation
  - b) Deforestation
  - c) Afforestation
  - d) Filtration
30. Hails are formed within the zone of
- a) Atmosphere
  - b) Lithosphere
  - c) Hydrosphere
  - d) None of the above

## **SECTION : B – SHORT ANSWER**

(Marks : 45)

***Answer the following questions in not more than 1 (one) page each, choosing 3 (three) questions from each unit.***

3x15=45

### **UNIT-I**

1. Write short note on the 'Big Bang' theory
2. Write the nature of physical Geography
3. Mention in brief the concept of Inter-Stellar Dust hypothesis
4. What do you mean by Physical Geography?

### **UNIT-II**

5. What are the compositions of the atmosphere?
6. Write a short note on Monsoon
7. Write the concept of Heat Budget briefly
8. Mention briefly the formation of Tropical cyclone

### **UNIT-III**

9. Mention different types of Volcano. Give example.
10. Write the three layers of the interior of the Earth and explain any two.
11. Write notes on Exogenetic forces
12. Explain Endogenetic forces

### **UNIT- IV**

13. Write short notes on Neap tides
14. Write short notes on Spring tides
15. What are the different types of landforms in the ocean floor and explain any two of them.
16. Write notes on warm ocean currents.

### **UNIT-V**

17. Write in brief the human impact on Hydrological cycle.
18. Name the different types of Precipitation and explain any two
19. Mention briefly the concept of Hydrology.
20. Explain briefly how hydrological cycle affects the growth of vegetation

\*\*\*\*\* End of question \*\*\*\*\*