

PART – III
XI - GEOGRAPHY

PART – I

ANSWER ALL THE QUESTIONS:

(15x1=15)

1. (B) Atmosphere
2. (B) The Tropic of Cancer
3. (A) Sill
4. (C) The Cauvery River
5. (B) Antarctica
6. (D) The Sargasso Sea
7. (A) Fathom
8. (A) It decreases
9. (A) Mesosphere
10. (B) Savannah
11. (D) Australia – Kalahari Desert
12. (B) 9982.2 °C
13. (B) IRNSS
14. (D) The Neptune
15. (D) Asymmetrical fold

PART – II

ANSWER ANY SIX QUESTIONS:

QUESTION NO:24 IS COMPULSORY

16. Three domains of Geography :-

- a) Physical Geography
- b) Human Geography
- c) Geographic techniques (2)

17.

The inner planets are terrestrial planets (or) Rocky planets. (1)

- a) Mercury
- b) Venus
- c) Earth
- d) Mars

Called inner (or) terrestrial planets. (1)

18.

The core composed of Nickel, ferrous (iron) which is called NIFE (Barysphere). (1)

Due to high pressure the core is in solid state. (1)

19.

The process which occur on earth surface due to the influence of external forces are called as Exogenic process. (1)

Weathering, Mass wasting and denudation are the major exogenic process. (1)

20.

The rise of sea water towards the land is known as high tide (or) flow tide (1)

The fall of sea water move towards the sea is known as low tide
(1)

21.

- At night the wind flows from mountain top to valley bottom refer to as Mountain Wind. (2)

22.

- The word biosphere originates from the Greek word BIOS = LIFE and SPHAIRA = SPHERE. (1)
- The earth is the only planet in the solar system that supports life. (1)

23.

Drought is the period of time (Month/Year) during which a part of the land has shortage of rain. (1)

Causing severe damage to the soil crops, animals, people. (1)

24.

- 12th December 2016, Vardha cyclone affected Chennai, the speed of the wind is above 130kms. (1)
- The impact around 4000 trees are destroyed
- Electricity and building also damaged. (1)

PART – III

ANSWER ANY SIX.

QUESTIONS NO: 33 IS COMPULSORY

25. Remote Sensing:

Remote sensing - capturing earth surface features – sensor (or) camera's in aeroplanes (or) satellites. (2)

Processing and presenting the spatial information to us. (1)

26.

Local Time = 10 AM

New York = 75° W

Nigeria = 15° E (1)

Add

$$75^\circ + 15^\circ = 90^\circ$$

$$\frac{90^\circ}{15} = 6 \text{ hrs} \quad (1)$$

Destination time = Initial time + Calculated time

$$10 \text{ AM} + 6 \text{ hrs} = 16 \text{ hrs (12+4)}$$

Ans : Evening 4'o clock (1)

27.

When the Molten materials (Magma) circulate in different directions, they pushes or pull the plates in different directions. (11/2)

The plates move towards each other, away from one another and move side by side. (11/2)

28.

Oxbow lake is a free-standing body of water formed when the meander cut-off from the main river. (11/2)

This landform so named because it resembles horse-shoe. (11/2)

29.

- i. It regulates Global temperature and gives free navigations. (1)
- ii. The warm current brings heavy Rainfall. (1)
- iii. Pollutions added to it, becomes highly diluted and later negligible.(1)

30.

The various forms of precipitations. (3)

- Rainfall
- Hail
- Sleet
- Snow
- Dew

31.

Consumers are organisms that can't manufacture their own food and get their food and nutrients from producers directly (or) from organisms they are called Heterotrophs. (2)

Consumers can be divided into

1. Primary consumers
2. Secondary consumers
3. Tertiary consumers (1)

32. Any Three (3)

- Turn off electricity, gas and water and unplug all electric appliances.
- Beware of Snakes and other animals, immediately after the cyclone.
- Avoid site seeing.
- Stay away from damage power lines falling trees and flood water.
- Drink boiled water.

33. Different types of seismic waves

1. Body waves
2. Surface waves (1)

Body waves are the waves that travel through the interior of the earth.

1. **P** or Primary (or) Compressional waves.
2. **S** or Secondary (or) Shear waves. (1)

Surface waves are the waves that travel along the earth's surface.

1. Love waves
2. Rayleigh waves (1)

PART – IV

Answer all the questions.

34. (a) The five themes of geography are

1. Location
2. Place
3. Region
4. Movement
5. Human Environment Interaction (1)

Explanation (4)

(or)

(b) Explain the Big bang theory.

Abbe Georges Lemaitre – 1927 (1)

Explanation (4)

35. (a)

Diagram (3)

Explanation (2)

(or)

(b) Land forms made by a river

1. Gorge

2. Canyon

3. V- Shaped valley

4. Waterfall

5. Pothole

6. Structural bench

7. River terrace

8. Alluvial fan

9. Peneplains

10. Meander

11. Oxbowlake

12. Levees

13. Flood plain

14. Estuary

15. Delta (1)

(Explain any 2)

Diagram (2)

Explanation (2)

36. (a) The factors affecting horizontal distribution of ocean temperature.

- Latitude
 - Prevailing wind
 - Ocean currents
 - Other factors
- (5)

(or)

(b) Layers of the atmosphere.

1. Troposphere
2. Stratosphere
3. Mesosphere
4. Thermosphere
5. Exosphere

(1)

Explanation (2)

Diagram (2)

37. (a) The Tundra Biome

- Tundra Location
- Tundra Climate
- Tundra Vegetations
- Tundra animals



5

(or)

(b) The ways and means to protect ourselves from lightning and thunder.

Any Five Points (5)

38. (a)

Any Five plates (3)

Explanation (2)

(b) Ocean currents of North Atlantic ocean

1. North equator current
2. Canaries current
3. Gulf stream
4. Labrador current

(3)

Explanation (2)