



DELHI PUBLIC SCHOOL NEWTOWN
SESSION 2021-22
FINAL TERM EXAMINATION

CLASS: IX
SUBJECT: GEOGRAPHY

TOTAL MARKS: 50
TIME: 2 HOURS

(Candidates are allowed an additional 10 minutes for only reading the paper.

They must NOT start writing during this time.)

The question paper comprises Two parts.

Part I is based on Multiple Choice Questions. Part II is based on subjective questions.

The intended marks for questions are given in brackets[].

This paper consists of ten printed pages.

Part I (30 Marks)

Select the correct option for each of the following questions.

Question 1

Which of the following is responsible for moderating the climate and surface condition of the earth? [1]

- a) Biosphere
- b) Oxygen
- c) Water
- d) Nitrogen

Question 2

Which of the following is a characteristic feature of lines of latitude? [1]

- a) They are of equal length.
- b) They meet at the poles.
- c) All lines of latitude are Great Circles.
- d) They are parallel to each other.

Question 3

On which day is the Sun's rays vertical to the Tropic of Capricorn? [1]

- a) September 23
- b) December 22
- c) June 21
- d) March 21

Question 4

Name the layer which has both the characteristics of the Crust and the Mantle.

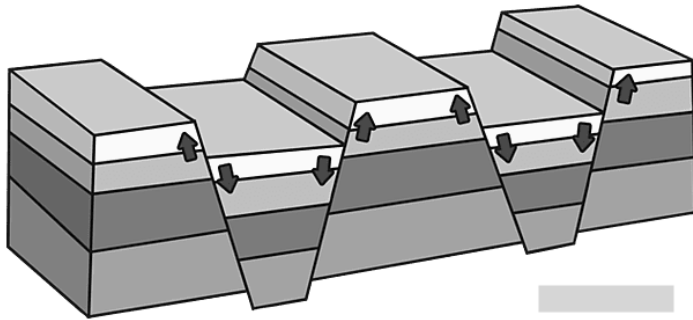
[1]

- a) Core
- b) Lithosphere
- c) Gutenberg Discontinuity
- d) Mohorovicic Discontinuity

Question 5

Name the type of mountain shown in the picture given below:

[1]



- a) Block Mountain
- b) Fold Mountain
- c) Residual Mountain
- d) Volcanic Mountain

Question 6

Which of the following is the correct order of the process of lithification?

[1]

- a) Cementation, Evaporation and Compaction
- b) Evaporation, Compaction and Cementation
- c) Compaction, Cementation and Evaporation
- d) Evaporation, Cementation and Compaction

Question 7

Match the following:

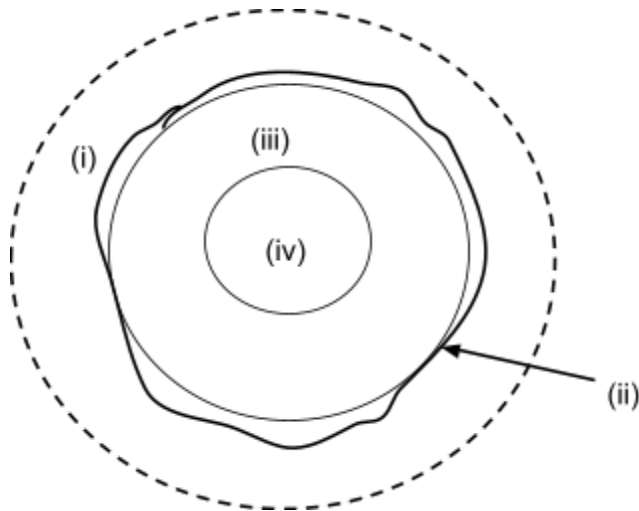
[4]

- | | |
|----------------|-----------------|
| a) Geyser | i) Weathering |
| b) Carbonation | ii) Volcano |
| c) Folding | iii) Denudation |
| d) Waterfall | iv) Earthquake |

Question 8

Study the diagram and identify the feature given as (i)

[1]



- a) Mantle
- b) Atmosphere
- c) Gutenberg discontinuity
- d) Core

Question 9

Which of the following is an example of sedimentary rock?

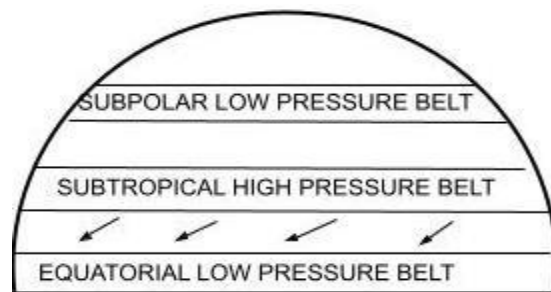
[1]

- a) Basalt
- b) Graphite
- c) Slate
- d) Dolomite

Question 10

Which permanent wind is shown in the diagram given below?

[1]



- a) North East Trade winds
- b) South East Trade winds
- c) Westerlies
- d) Polar Easterlies

Question 11

In which of the following processes is the height of a landform increased? [1]

- a) Exfoliation
- b) Aggradation
- c) Hydration
- d) Denudation

Question 12

The rhythmic rise and fall of ocean water twice a day is called: [1]

- a) Wave
- b) Tide
- c) Breeze
- d) Ebb

Question 13

Geographical term used for vibrations or shaking in the earth's crust: [1]

- a) Earth movements
- b) Earth motion
- c) Earthquake
- d) Earth dissolution

Question 14

Which of the following is not a part of a volcano? [1]

- a) Crater
- b) Magma chamber
- c) Vent
- d) Lava

Question 15

The disease caused by cadmium pollution in Japan is: [1]

- a) Fluorosis
- b) Minamata
- c) Chronic Obstructive Pulmonary Disorder
- d) Itai-Itai

Question 16

Which gas causes discoloration of the marbles of Taj Mahal? [1]

- a) Sulphuric acid
- b) Sulphur dioxide
- c) Ozone
- d) Nitrogen dioxide

Question 17

Which event is the reddish brown “Red Forest” associated with? [1]

- a) Minamata disease of Japan
- b) Bhopal Gas Tragedy
- c) Chernobyl Disaster
- d) Biomagnification

Question 18

An example of Suspended Particulate matter is: [1]

- a) Carbon dioxide
- b) Ozone
- c) Fly ash
- d) Hydrocarbons

Question 19

Trees like rosewood and ebony are found mainly in these forests: [1]

- a) Mediterranean
- b) Tropical deserts
- c) Tropical Grasslands
- d) Tropical evergreen forests

Question 20

Which region has Plantation farming as a prominent occupation? [1]

- a) Tundra
- b) Tropical monsoon
- c) Equatorial
- d) Tropical deserts

Question 21

The temperate grasslands of South Africa is also known as:

[1]

- a) **Prairies**
- b) **Pampas**
- c) **Downs**
- d) **Velds**

Question 22

A leakage of oil into the sea or other water body of water may be termed as:

[1]

- a) **Oil spill**
- b) **Nuclear waste disposal**
- c) **Eutrophication**
- d) **Biomagnification**

Question 23

An alternative to petrol or diesel in automobiles is:

[1]

- a) **Coal**
- b) **Sunlight**
- c) **Biomass**
- d) **Compressed Natural Gas**

Question 24

Which natural region is shown on the map given below??

[1]



- a) **Tropical monsoon region**
- b) **Mediterranean region**
- c) **Tropical Grassland region**
- d) **Tundra region**

Question 25

[1]

What is the average decrease of temperature with altitude according to the normal lapse rate?

- a) 1°C for every 162 metres**
- b) 1°C for every 166 metres**
- c) 2°C for every 166 metres**
- d) 2°C for every 162 metres**

Question 26

What is the term used for the amount of solar energy received by the earth?

[1]

- a) Ozone**
- b) Terrestrial Radiation**
- c) Insolation**
- d) Heat balance**

Question 27

Which of the following is a local wind?

[1]

- a) Chinook**
- b) Monsoon**
- c) Cyclone**
- d) Jet Stream**

PART II
Section A (10 marks)

Question 1

On an outline map of the World, mark and label the following:

[1x10=10]

- (a) Rockies**
- (b) Drakensberg**
- (c) Caucasus**
- (d) Persian Gulf**
- (e) River Murray**
- (f) Black Sea**
- (g) Strait of Malacca**
- (h) River Nile**
- (i) South China Sea**
- (j) An area of Tropical Desert in Asia**

Section B (40 Marks)

Attempt any four questions from this part.

Question 2

- (a) 'The distance between the earth and the Sun makes life possible on the earth'.
Explain the given statement. [2]
- (b) If it is 10 AM at London(GMT), what will be the Standard Time in India? (Show calculations.) [2]
- (c) Give reasons for the following: [3]
 - (i) The summer season in Australia is from December to February.
 - (ii) The Gulf Stream deflects towards the east.
 - (iii) The lines of longitude are also called Meridians of Longitude.
- (d) What is known as the inclination of the earth's axis? How much is the earth's axis inclined? State one of its effects. [3]

Question 3

- (a) What is a geyser? Give an example. [2]
- (b) State two differences between rocks and minerals. [2]
- (c) Give reasons for the following : [3]
 - i) Mechanical weathering is more prominent in dry climates.
 - ii) The volume of water in the river increases in the middle course of a river.
 - iii) Most of the Fold mountains are made up of sedimentary rocks.
- (d) Define chemical weathering and explain any two processes involved in it. [3]

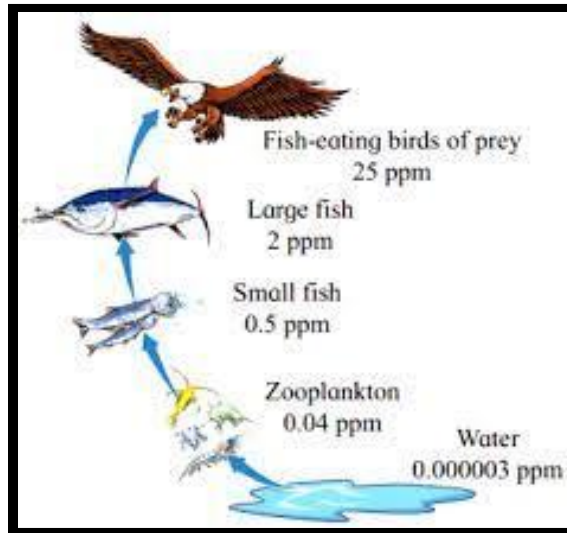
Question 4

- (a) What is an isobar? What do the spacing of isobars indicate about pressure gradient? [2]
- (b) Why is India cooler in December than in July? [2]
- (c) Give reasons for the following: [3]
 - i) The westerlies in the Southern Hemisphere blow with greater force.
 - ii) Distance from the sea affects the temperature of a place.
 - iii) In the equatorial region sky often remains overcast with clouds.
- (d) Draw a well labeled diagram of orographic rainfall. [3]

Question 5

- (a) Write a brief note on the Chernobyl disaster. [2]
- (b) State any two effects of soil pollution on human health. [2]
- (c) In reference to water pollution, answer the following questions: [3]
 - i) Name two heavy metals leading to water pollution.
 - ii) Explain eutrophication.

iii) Identify the phenomenon depicted in the picture given below:



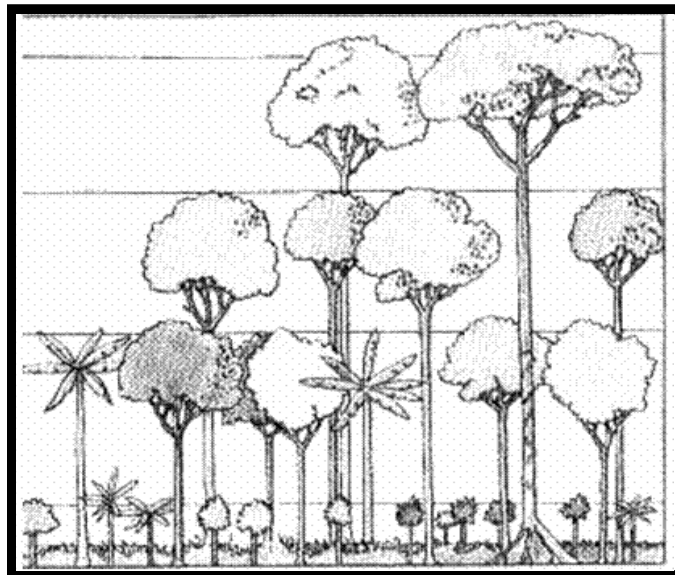
(d) Give geographical reasons for the following:

[3]

- i) Acid rain is an effect of environmental pollution.
- ii) Air pollution is a major disadvantage of increased use of fossil fuel.
- iii) Kanpur has the heaviest smog during winter.

Question 6

Study the picture given below and answer the question that follow:



(a) Which natural region has these types of natural vegetation? Name two crops cultivated in this region.

[2]

- (b) Why does the Tropical Desert region receive less rainfall? Name the desert located in the South west part of Africa. [2]
- (c) Give geographical reasons for the following: [3]
- i) Llanos and Pampas are both located in South America yet are different from each other.
 - ii) The Mediterranean region accounts for about 70% of the world's export of citrus fruits.
 - iii) The Tundra does not experience convectional rainfall.
- (d) In context of the Tropical Monsoon region, answer the following: [3]
- i) Which region in India receives winter monsoon rainfall?
 - ii) State two types of natural vegetation found here.
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