

NAME OF STUDENT.....

MAX.MARKS: 80

DATE.....

TIME: 2 HOURS

NOTE: You will not be allowed to write during the first 15 minutes. This time is to be spent in reading the question paper. The time given at the head of this paper is the time allowed for writing the answers.

Attempt eight questions in all. Part I is compulsory. All questions from Part I are to be attempted. A total of five questions are to be attempted from Part 2. The intended marks are given against the question. All sub-sections of the questions attempted must be answered in the correct serial order.

PART I (30 MARKS)

Attempt all questions from this Part.

Q1. On the outline map of the world, mark the following-

- | | |
|---------------------------|---|
| a) Gulf of Mexico | 1 |
| b) Gulf of Alaska | 1 |
| c) Caspian Sea | 1 |
| d) Hudson Bay | 1 |
| e) River Nile | 1 |
| f) River Amazon | 1 |
| g) River Orange | 1 |
| h) Andes Mountains | 1 |
| i) Great Dividing Range | 1 |
| j) Scandinavian Highlands | 1 |

Q2. Choose the correct option-

- | | |
|---|-----------------------|
| 1) Primary consumers are called- | 1 |
| a) Decomposers | c) Herbivores |
| b) Carnivores | d) Tertiary consumers |
| 2) It is the angular distance of that place east or west of the Prime Meridian- | 1 |
| a) Latitude | c) Tropic |
| b) Longitude | d) Climatic Zone |
| 3) An outward force on a body rotating about an axis- | 1 |
| a) Rotation | c) Coriolis force |
| b) Solstice | d) Centrifugal force |
| 4) The central part of the core consists of- | 1 |
| a) Sial | c) Magnesium |
| b) Nife | d) Sima |
| 5) These mountains are formed by the compression of tectonic plates causing rock layers to fold and rise- | 1 |
| a) Horst | c) Block mountains |
| b) Fold mountains | d) Residual mountains |

- 6) Which of the following statements is correct- 1
- Igneous rocks are generally pervious in nature.
 - Sedimentary rocks have pore spaces.
 - Foliation is observed in igneous rocks.
 - Fossils are found in igneous rocks.
- 7) This is the most important belt of volcanoes and is called 'Ring of Fire' - 1
- Mid Continental Belt
 - Mid Atlantic Belt
 - Atlantic Pacific Belt
 - Circum Pacific Belt
- 8) Which of the following statements related to earthquake focus is not true- 1
- It is situated on the surface of the earth and from here the earthquake waves spread horizontally on the earth's surface.
 - It is the point of origin of earthquake waves.
 - It is situated below the earth's crust.
 - Effect of earthquake will be greater if focus is situated near the surface.
- 9) Which of the following is a static process? 1
- Erosion
 - Weathering
 - Denudation
 - Solution
- 10) The general movement of a mass of oceanic water in a definite direction is called- 1
- Sea wave
 - Ocean Current
 - Tides
 - Tsunami

Q3. Give one word answers-

- What does Geoid mean? 1
- It is the only Great Circle. 1
- When is the Sun directly overhead at the Equator? 1
- Name one radioactive mineral. 1
- Give an example of Lava Plateau in India. 1
- What are Igneous rocks of deep seated origin called? 1
- A volcano which is called the 'Lighthouse of the Mediterranean Sea'. 1
- An open fracture in rock. 1
- It is the reaction of carbonic acid on minerals. 1
- Name the most important warm current of the North Pacific Ocean. 1

Atlantic

PART II (50 MARKS)

Attempt any five questions from this Part.

- Q4. a) What is Milky Way? 2
- b) What do you mean by secondary consumers? 2
- c) 1) What is photochemical process? 3
- 2) Why is earth called the watery planet?
- 3) Give two examples of tertiary consumers.
- d) State three conditions favourable to life on earth. 3

- Q5. a) 1) Which latitude is the southern most limit of the apparent movement of the sun? 2
 2) Why do sailors and aircrafts all over the world use the Great Circle route? 2
 b) Draw a well labelled diagram to show the five main Parallels of Latitude. 2
 c) 1) What is Arc of Great Circle? 3
 2) Give one importance of Great Circle route. 3
 3) What is the standard meridian of India? 3
 d) 1) Define International Date Line. 3
 2) Why do some countries have many Time Zones? 3
 3) What is the time difference between Indian Standard Time and Greenwich Mean Time? 3
- Q6. a) Define Circle of Illumination. 2
 b) 1) Why is noon hotter than morning? 2
 2) Give one special feature of winter solstice. 2
 c) What is Coriolis Effect? 3
 d) Draw a well labelled diagram of Summer Solstice. 3
- Q7. a) What does Sial consist of? 2
 b) 1) What does the uppermost part of Crust consist of? 2
 2) What is the density of Inner Core? 2
 c) What is meant by Mohorovicic Discontinuity? 3
 d) 1) Mention one feature of Sima. 3
 2) Mohorovicic Discontinuity is composed of which layer? 3
 3) What is Core? 3
- Q8. a) 1) Define Plateau. 2
 2) What is a Lava Plain? 2
 b) What are Intermontane Plateaus? 2
 c) 1) What is Piedmont Alluvial Fan? 3
 2) Give two examples of glacial deposit plains. 3
 3) What are Structural plains? 3
 d) 1) Give one characteristic feature of young fold mountain. 3
 2) Why does the Columbian plateau have 20 layers of lava? 3
 3) Draw a well labelled diagram to show Anticline and Syncline. 3
- Q9. a) Mention one difference each between Rocks and Minerals. 2
 b) 1) What is Magma? 2
 2) Why are sedimentary rocks also called stratified rocks? 2
 c) Mention three characteristics of Igneous rocks. 3

d) 1) What are Fossils?	3
2) What is Rock Cycle?	
3) What is Coal?	
Q10. a) 1) What are Active volcanoes?	2
2) What is a Crater Lake?	
b) Mention two main causes of earthquake.	2
c) 1) Give one example of Extinct volcano.	3
2) What is Lava?	
3) Draw a well labelled diagram of Epicentre of an Earthquake.	
d) Mention three major consequences of earthquake.	3
Q11. a) Mention any four factors responsible for Mechanical weathering.	2
b) 1) Name two landforms formed in weathering of limestone regions.	2
2) What are Sand dunes?	
c) Mention three destructive effects of weathering.	3
d) How do plants and animals cause weathering of rocks?	3
Q12. a) Draw a well labelled diagram of Spring Tide.	2
b) 1) What is Gyre?	2
2) Name the most important warm current of the North Pacific Ocean.	
c) 1) How do ocean currents help in maintaining the Earth's heat balance?	3
2) What are Planktons?	
3) Name the fishing ground of the world near Newfoundland.	
d) Name any three currents of the Atlantic Ocean.	3

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