



## ST. JOSEPH'S COLLEGE, PRAYAGRAJ

FIRST UNIT TEST- MAY 2024

CLASS – IX

Time: 1½ Hrs

SUBJECT- GEOGRAPHY

Max. Marks: 30

### Instructions

1. All questions are compulsory.
2. Do all SUB-SECTIONS in correct SERIAL ORDER.
3. Kindly do all work NEATLY and SYSTEMATICALLY.

### PART I (10 Marks)

*Attempt all questions from this Part*

#### Question 1.

Choose the correct option.

[5]

- a) What is the thickness of the biosphere.
  - i. 20 kilometers
  - ii. 19 kilometers
  - iii. 15 kilometers
  - iv. 25 kilometers
- b) What is the temperature variation in the mantle?
  - i. 1500;3700
  - ii. 1500; 2500
  - iii. 900;2200
  - iv. 1000; 4000
- c) Name the boundary between mantle and core
  - i. Gutenberg discontinuity
  - ii. Mantlic discontinuity
  - iii. Core discontinuity
  - iv. Mohorovicic discontinuity
- d) The entire core is about ..... km in diameter
  - i. 6950
  - ii. 2275
  - iii. 7000
  - iv. 8000
- e) Which part of a ship is visible when one watches an approaching ship at the shore?
  - i. the hull
  - ii. the mast
  - iii. the entire ship
  - iv. the deck

#### Question 2.

Answer the following questions briefly:

- a) What is the composition of oceanic crust of the Earth? [1]
- b) Name a seismic wave which covers circumference of the Earth. [1]
- c) What is the equatorial diameter of the Earth? [1]
- d) Which planet is also called as the Watery planet? [1]
- e) Which of the following discontinuity is found between crust & mantle? [1]

## PART II (20 Marks)

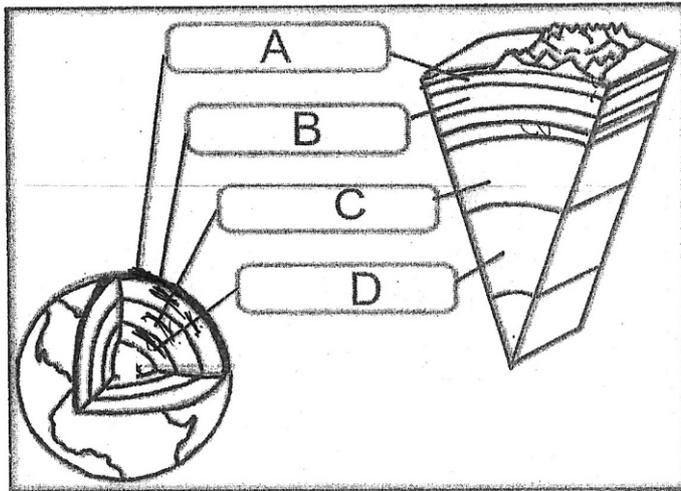
*Attempt all questions from this Part*

### Question 2.

- a) Explain two evidences to prove sphericity of the Earth. [2]
- b) Explain with the help of diagram, how can a sailing ship help in finding the shape of the Earth. [2]
- c) Discuss in brief that Earth has favourable conditions for life to survive. [3]
- d) Give geographical reasons. [3]
  - i. Earth is an oblate spheroid.
  - ii. The time of sunrise and sunset is not same everywhere.
  - iii. Earth's distance from the Sun is one of the most important factors making life possible on earth.

### Question 3.

- a) The given image shows the layers of the earth. Label A, B, C, D and write density of each layer. [2]



- b) Give geographical reasons. [2]
  - i. Although temperature is extremely high, yet the core of the earth is not in molten state.
  - ii. Temperature starts rising gradually towards the interior of the earth.
- c) Explain how the behavior of earthquake waves has helped to study about the internal structure of the Earth? [3]
- d) i. What is core? By what another name is it known as? [3]
  - ii. State the properties of the core of the Earth.

\*\*\*\*\* ALL THE BEST\*\*\*\*\*