

Name: _____ Class & Sec: _____ RollNo. _____

HALF YEARLY EXAMINATION, (2021-22)
GEOGRAPHY
CLASS IX

Time: 50 minutes

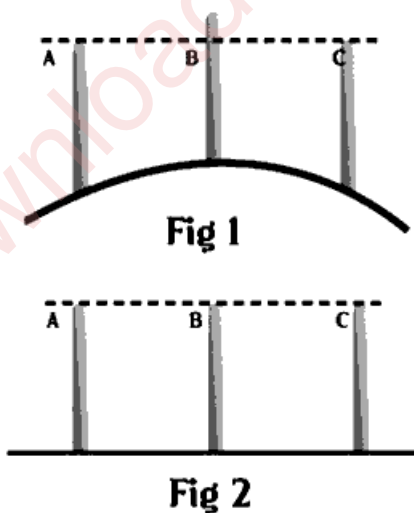
M.M.: 40

Instructions: 1. Each question is of one mark.
2. Properly tick the correct option.

SKILL: Recall (20 marks)

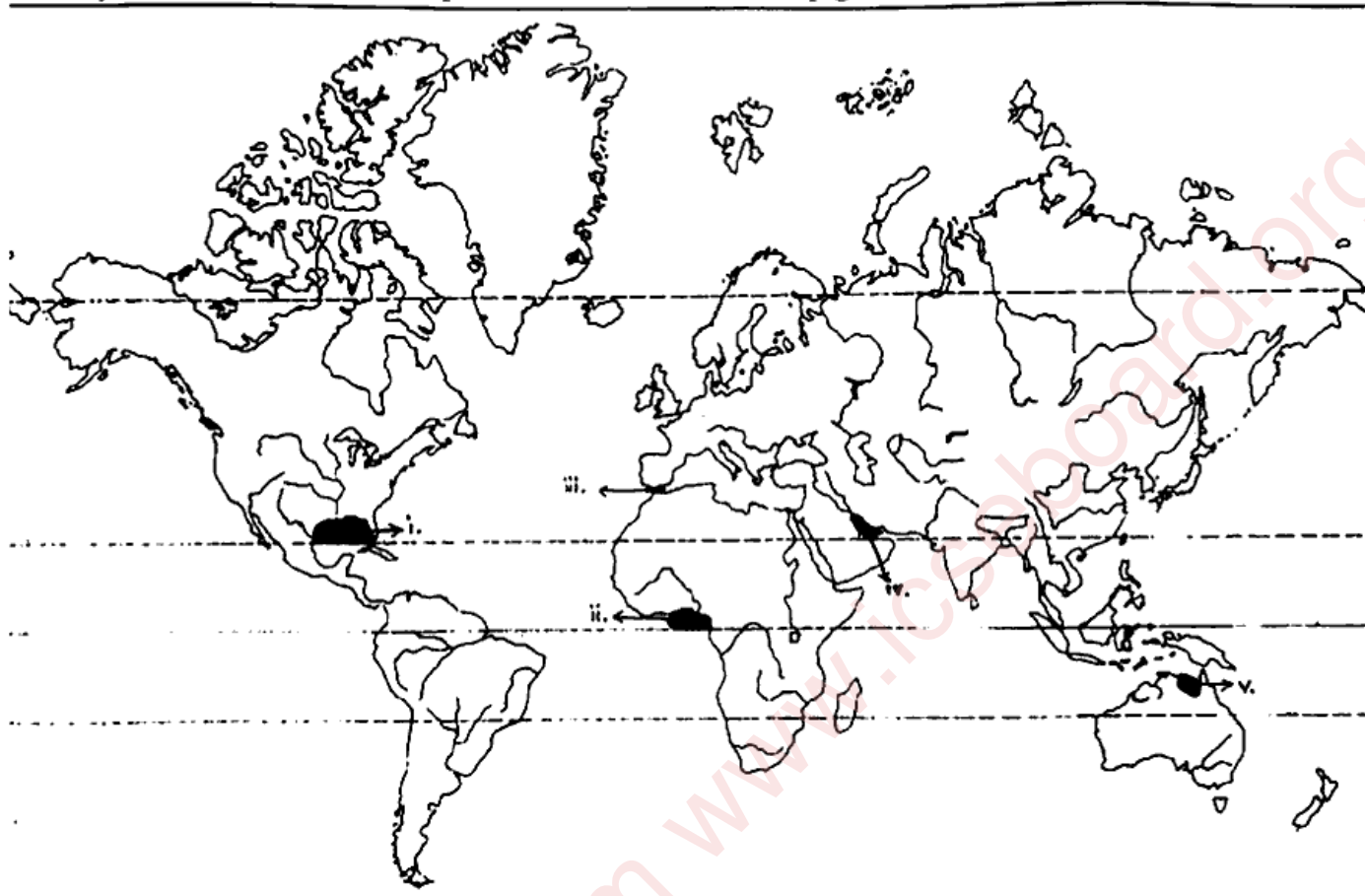
1. The shape of the Earth is described as-
 - a) Oval
 - b) Sphere
 - c) Geoid
 - d) Spheroid
2. Who first calculated the circumference of the Earth?
 - a) Strabo
 - b) Plato
 - c) Archimedes
 - d) Eratosthenes
3. Discontinuity between Crust and Mantle is known as-
 - a) Seismic discontinuity
 - b) Gutenberg discontinuity
 - c) Mohorovicic discontinuity
 - d) Crustal discontinuity
4. Which of the following is NOT a characteristic of Igneous rocks?
 - a) They are hard and compact.
 - b) They are formed by solidification of molten magma.
 - c) They are granular and crystalline.
 - d) They have layers.
5. The process of turning of loose sediments into hard rocks is known as-
 - a) Lithification
 - b) Sedimentation
 - c) Crystallisation
 - d) Acidification
6. The area between Tropic of Cancer and Tropic of Capricorn is called-
 - a) Torrid Zone
 - b) Semi-Tropical Zone
 - c) Temperate Zone
 - d) Frigid Zone
7. Which of the following are effects of Revolution?
 - a) Seasonal Changes
 - b) Inclination of axis
 - c) Creation of heat zones
 - d) All of the above
8. The realm of contact and interaction between the atmosphere, lithosphere and hydrosphere is called-
 - a) Atmosphere
 - b) Biosphere
 - c) Ecosystem

- d) Ecosphere
9. Each parallel of latitude is a full circle. Is this statement correct?
- a) True
 - b) False
 - c) May be
 - d) None of the above
10. Spring Equinox occurs on-
- a) 21st March
 - b) 21st June
 - c) 23rd September
 - d) 22nd December
11. Why does the Pacific Ring of Fire have more than 80% of active volcanoes?
- a) It is located at the meeting of two continental plates.
 - b) It is located at the meeting of a continental and an oceanic plate.
 - c) It is located at the meeting of two oceanic plates.
 - d) None of the above
12. If you are to travel the Polar diameter of the Earth, how much distance will you be travelling?
- a) 12,716 km
 - b) 12,715 km
 - c) 12,714 km
 - d) 12,713 km
13. What was the name of Magellan's ship that completed a round-the-world voyage in 1522?
- a) Beagle
 - b) Elizabeth
 - c) Sophia
 - d) Victoria
14. Which of the following is an active volcano in Philippines-
- a) Mt. Fuji
 - b) Mt. Cotopaxi
 - c) Mt. Mayon
 - d) Mt. Agung
15. Name the following method which proves that the Earth is spherical in shape-



- a) Pythagoras Theorem
- b) Bedford Level Experiment
- c) Sighting of a Ship
- d) Satellite Pictures

Identify and choose the correct option on the basis of the Map given below:



- 16. Identify the water body labeled i.?
 - a) Gulf of California
 - b) Gulf of Mexico
 - c) Gulf of Guinea
 - d) Gulf of Carpentaria
- 17. Identify the water body labeled ii.?
 - a) Gulf of Mexico
 - b) Gulf of California
 - c) Gulf of Carpentaria
 - d) Gulf of Guinea
- 18. Identify the water body labeled iii.?
 - a) Bering Strait
 - b) Strait of Malacca
 - c) Strait of Gibraltar
 - d) None of the above
- 19. Identify the water body labeled iv.?
 - a) Persian Gulf
 - b) Gulf of Mexico
 - c) Gulf of Carpentaria
 - d) Gulf of Guinea
- 20. Identify the water body labeled v.?

- a) Gulf of California
- b) Gulf of Mexico
- c) Gulf of Carpentaria
- d) Gulf of Guinea

SKILL: Comprehension & Analysis (20 marks)

21. Which of the following is a difference between Thermal and Dynamic Metamorphism-

- a) Thermal Metamorphism is associated with pressure while Dynamic Metamorphism is associated with heat.
- b) Thermal Metamorphism is seen in clay while Dynamic Metamorphism is seen in the white marble of the Taj Mahal.
- c) Thermal Metamorphism causes arrangement of minerals in layers while Dynamic Metamorphism does not result in formation of layers.
- d) Thermal Metamorphism is associated with chemically active hot gases while Dynamic Metamorphism is associated with hot magma.

22. Identify which of the following are characteristics of Basic Igneous Rocks-

- i. These rocks have silica content between 65 to 85 percent.
 - ii. They are heavy and dark in colour.
 - iii. These rocks have silica content between 40 to 60 percent.
 - iv. Basalt and Gabbro are typical examples of this group.
- a) i. ii. iv.
 - b) i. ii. iii.
 - c) i. iii. iv.
 - d) ii. iii. iv.

23. Intrusive igneous rocks have large crystals because-

- a) They are formed by erosional activities of wind.
- b) They are formed when sediments are deposited layer upon layer.
- c) They are compacted through evaporation.
- d) They are formed when magma solidifies within the Earth's crust.

24. The Earth's core is in a solid-state because-

- i. High Pressure
 - ii. Low Pressure
 - iii. High Density
 - iv. Low Density
- a) i. iii.
 - b) i. iv.
 - c) ii. iii.
 - d) ii. iv.

25. Why does Sial appear to float above Sima?

- a) Sial is heavier than Sima.
- b) Sial is lighter than Sima.
- c) Sial and Sima are of equal density.
- d) Density does not play any role.

26. Which of the following is NOT the reason for countries like Russia, Canada and USA to have more than one Time Zones because-

- a) Large geographical extent
- b) Awareness of the citizens
- c) Developing status of the countries
- d) Large east-west extent

27. Norway is called the 'Land of the Midnight Sun' because-

- a) The sun's rays fall vertically on the Tropic of Cancer.
- b) The sun's rays fall vertically on the Tropic of Capricorn.
- c) The sun is vertically over the Equator.
- d) Norway is a developed nation.

28. 25th of December in New Zealand may be one of the hottest days of the year-

- a) The sun moves towards the Northern Hemisphere
- b) The Sun moves towards the Southern Hemisphere
- c) Equal day and night is experienced
- d) Sun's rays fall vertically over the Equator

29. How do Volcanoes make our Earth dynamic?

- i. Formation of new volcanic soil
 - ii. Changes in physical nature of the surface
 - iii. Destructive and constructive processes
 - iv. Constant nature of the landforms created
- a) i. ii.
 - b) iii. iv.
 - c) i. ii. iii.
 - d) ii. iii. iv.

30. As a researcher, you are studying the region between Moho discontinuity, up to a depth of 700 km. Which layer of the Earth is your area of study?

- a) Outer core
- b) Inner core
- c) Upper mantle
- d) Lower mantle

Read the passage given below and answer the questions (31-33) that follow:

The Grand Canyon is a gigantic geological library, with rocky layers that tell much of the story of Earth's history. Curiously though, a sizeable layer representing anywhere from 250 million years to 1.2 billion years is missing due to the action of erosional agents like air, wind and water.

In one layer of the Grand Canyon, you have the Cambrian period, which started roughly 540 million years ago and left behind sedimentary rocks packed with the fossils of complex, multicellular life. Directly below, you have a fossil free layer, which formed about a billion or more years ago.

31. Why is a sizeable layer missing in the Grand Canyon?

- a) Lithification
- b) Fossilisation
- c) Erosion

- d) Acidification
32. Which rocks are formed from materials derived from other rocks?
- Sedimentary rocks
 - Igneous rocks
 - Metamorphic rocks
 - Carbonates
33. Which among the following have fossils?
- Marble
 - Basalt
 - Granite
 - Coal
34. What is the angle of incidence of the sun's rays on December 22nd for the latitude 40 degree North?
- 36.5 degree
 - 26.5 degree
 - 63.5 degree
 - 73.5 degree
35. What is the angle of incidence of the sun's rays on June 21st for the latitude 50 degree North?
- 16.5 degree
 - 26.5 degree
 - 53.5 degree
 - 63.5 degree
36. Stratified Rocks are called so because-
- They contain fragments from breaking of other rocks.
 - Agents of denudation like running water act them upon.
 - They are formed by rocks particles brought by winds.
 - They squeeze by the weight of overlying sediments forming layers.
37. During sunset, though the sun is below the horizon, we experience a diffused light because-
- The altitude of the sun is almost vertical.
 - Of the inclination of the Earth's axis.
 - The overall heat budget of the Earth is maintained.
 - Of reflection by clouds and dust particles in atmosphere.
38. Which of the following is incorrect about Lines of Latitude?
- They are imaginary lines joining places having the same latitude.
 - They show the angular distance east or west of the Prime Meridian.
 - They are called Parallels of Latitude.
 - Only the Equator is a Great Circle.
39. The International Date Line is not a straight-line because-
- It helps in covering a larger area.
 - It avoids confusion of having different dates within the same country.
 - It acts as a division between the Eastern and Western Hemisphere.
 - It gives an aesthetic visual to the World Map.
40. Volcanic eruptions contribute to climate change because-
- They create soil, which is good for agriculture.
 - They provide dramatic scenery, which attracts tourists.
 - They emit poisonous gases, which cause greenhouse effect.
 - They are a source of high level of heat.