

HALF YEARLY EXAMINATION

CLASS IX GEOGRAPHY

Time : 2hrs

M.M. 80

Note : Attempt all the questions from part A. from section B attempt any five question.

Part – 1

(30 Marks)

1. Who devised the lines of latitude and longitude ?
2. Why the International Date line deviates and goes Zig-Zag near some island in Pacific ocean ?
3. We always see the sun rising in the east. Give reason.
4. On which dates Sun shine vertically overhed at (a) Equator (b) Tropic of Cancer (c) Tropic of Capricorn
5. State one reason why we do not feel the motions of the earth.
6. Define Rotation ?
7. State the longitudinal value in degree of
 - i. Indian Standard Time
 - ii. Prime Meridian
8. Name the sources of information about forces operating inside the earth.
9. Name two important land forms made by igneous rocks.
10. Give one example each of an active volcano and a dormant volcano.
11. State two natural causes of earthquake.
12. What is weathering.
13. Name any two ways in which movement of ocean water takes place.
14. Which agents are responsible for deposition of a sediments ?

Attempt any five questions.

2. (a) What is a geographic grid ? 2
- (b) Which temperate zone receives almost vertical rays of the sun and which Zones receive slanting rays ? 2
- (c) What are the great circle routes ? state their importance. 3
- (d) With the help of a diagram, show the important lines of latitude. 3
3. (a) State two chief characteristics of the revolution of the earth. 2
- (b) Which is the longest and which is the shortest day in the northern hemisphere. 2
- (c) Give a geographical reason for each of the following : 3
 - i. The length of day and night is not equal at all places on the earth.
 - ii. The period of twilight and dawn increases polewards.
 - iii. 25th of December in Newzealand may be one of the hottest days of the year.
- (d) Draw a well labeled diagram to show inclination of the earth on its axis. 3
4. (a) In which part of the earth is NIFE found ? what is it composed of ? 2
- (b) Distinguish between Sial and Sima ? 2
- (c) Where is asthenospher found ? In which form does it exist ? 3
- (d) Draw a well labelled diagram of structure of earth. 3
5. (a) Which rocks are associated with ores of metals and which rocks are Associated with fossil fuels ? 2
- (b) Mention any two characteristics of sedimentary rocks. 2
- (c) What are know as metamorphic Rocks ? Give two examples. 3
- (d) Give a reason for each of the followings : 3
 - i. Igneous rocks are also called primary rocks.
 - ii. Igneous rocks are used by builders and sculptors.
 - iii. Sedimentary rocks are called secondary rocks.

- 6. (a)** What is a volcano ? Give one example. 2
- (b)** What is the difference between magma and lava. 2
- (c)** Explain the following terms. 3
- i. Volcanic cone
 - ii. Caldera
 - iii. Geyser
- (d)** Draw a well labelled diagram of structure of volcano. 3
- 7. (a)** Give any two destructive effects of earthquakes. 2
- (b)** How do Japanes predict earthquakes. 2
- (c)** What is the difference between seismic focus and epicenter ? 3
- (d)** How are earthquakes distributed over the globe ? 3
- 8. (a)** Name the four process involved in chemical weathering. 2
- (b)** What is known as exfoliation ? Name the processes involved in it ? 2
- (c)** Give a technical term for each of the following. 3
- i. Disintegration or decomposition of rocks
 - ii. Peeling off the outer layer of rock through contraction and expansion.
 - iii. Expansion of minerals in rocks on coming into contact with rain water.
- (d)** What is biological weathering ? State the main agents of biological weathering? 3
- 9. (a)** For what is the Gulf stream famous. 2
- (b)** What happens when warm and cold currents meet ? 2
- (c)** Describe one effect of each of the following three ocean currents. 3
- i. Labrador current of the Atlantic Ocean
 - ii. The Kurostio current
 - iii. Oyashio current of the Pacific Ocean
- (d)** Describe three major effects of Ocean current. 3