

MAR THOMA RESIDENTIAL SCHOOL, TIRUVALLA

ANNUAL EXAMINATION-FEBRUARY 2019

STD IX A, B, C.

GEOGRAPHY

H.C.G. - Paper – 2

(Two hours)

Answers to this Paper must be written on the answer sheet provided separately.

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 seven 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 II.

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

Note:

- (i) In all Map Work, make wise use of arrows to avoid overcrowding of the map.
- (ii) The Map given at the end of this question paper must be detached, and after marking, must be fastened to your answer booklet.
- (iv) All sub-sections of the questions attempted must be answered in the correct serial order.
- (v) All working including rough work should be done on the same answer sheet which is used to answer the rest of the paper.

**PART I (30Marks)**

*Attempt all questions from this part*

**Question 1**

Answer the following questions briefly:

- a. i. Define latitude
- ii. Write the latitude of Arctic Circle
- b. Draw a neat labeled diagram of the pressure belts of the world
- c. Write the difference between apogee and perigee.
- d. How is anticline dissimilar to syncline?
- e. Define Gutenberg discontinuity
- f. Define equinox.
- g. i. What is intermontane plateau
- ii. Give an example of intermontane plateau.
- h. What is global warming. ?
- i. Write the difference between biodegradable and non biodegradable pollutants
- j. i. What are sand dunes?
- ii. Name a region where this type of land forms are found.

**Question 2**

On the outline world map mark and label the following:

- a. Gulf of Carpentaria
- b. River Colorado
- c. Hudson bay
- d. Appalachian mountains
- e. Tibetan plateau
- f. River Murray
- g. River Indus
- h. Shade and mark tropical desert regions of North America
- i. Shade and mark Mediterranean regions of Africa
- j. Strait of Malacca

### Question 6

- a. Explain any three factors that affect the ocean currents (3)
- b. What are Neap tides? (2)
- c. Give reason: (2)
  - I. The water of Oyashio current form the richest fishing grounds in the world. (2)
  - II. The coast of Norway are not frozen in winter whereas its adjoining coasts are frozen for most parts of the year
- d. Write the difference between warm and cold ocean current (3)

### Question 7

- a. i. What is ozone hole? (2)  
ii. Name the important green house gases
- b. Explain the causes of global warming (3)
- c. Write the characteristics of stratosphere (3)
- d. Write two effects of global warming (2)

### Question 8

- a. Define the following terms (2)
  - i. Coriolis force
  - ii. Pressure gradient
- b. What are doldrums? Write its extent? (2)
- c. With the help of a diagram compare anticyclone in northern and southern hemisphere (3)
- d. Give reason (3)
  - i. Westerlies in the southern hemisphere blow with greater force than in the northern hemisphere
  - ii. Temperature and pressure are inversely related to one another
  - iii. Winds are directed to the right of their flow in the Northern hemisphere

### Question 9

- a. Write the difference between absolute and relative humidity (2)
- b. i. What is condensation nuclei? (2)  
ii. Write its role (3)
- c. Draw a well labeled diagram of relief rainfall (3)
- d. Define the following



**PART II (50 Marks)**

*Attempt any five questions from this part*

**Question 3**

- a. i. What is meant by angle of inclination? (2)  
ii. At what angle it is tilted to the plane of the orbit and from the perpendicular to the plane (2)
- b. Draw a diagram to show the summer solstice and answer the following (2)  
i. Name the date depicted in your diagram  
ii. Name the latitude where the sun's ray falls vertically
- c. A football match commenced at Allahabad  $82\frac{1}{2}^{\circ}$  E at 2 pm on Wednesday. What will be the local time of Tokyo  $138^{\circ}$  E? (2)
- d. When the time of  $60^{\circ}$  E is 2 am, the local time of another place Y is 9 am. What is the longitude of Y? (2)
- e. Define the following terms: (2)  
i. Standard time (2)  
ii. Revolution (2)

**Question 4**

- a. Name the layer which is responsible for earth's magnetic field. Why? (2)
- b. Write the difference between structural and depositional plain (3)
- c. State the characteristics of core. (2)
- d. How is rift valley formed? Give two examples of rift valley (3)

**Question 5**

- a. Explain the following terms (2)  
i. Weathering  
ii. Denudation
- b. Explain the factors affecting the work of a river (3)
- c. Describe the lower course of a river (3)
- d. Give reason (2)  
i. All rivers do not form delta  
ii. Weathering due to changes in temperature is more rapid in desert region

- i. *Precipitation*
- ii. *Dew*
- iii. *Humidity*

**Question 10**

- a. *Explain bio magnification with example*
- b. *What are the advantages of no smoking zones?* (3)
- c. *What are the effects of pollutants on plant* (3)
- d.
  - i. *Define soil pollution* (2)
  - ii. *Name the sources of soil pollution* (2)

**Question11**

- a. *Give reason*
  - i. *There is uniformly high temperature in the equatorial region* (3)
  - ii. *Deciduous forest shed their leaves*
  - iii. *Taiga region is sparsely populated*
- b. *Write the location of* (2)
  - i. *Mediterranean region*
  - ii. *Write any two areas from Mediterranean region*
- c. *Explain the factors that affect the climatic zone* (3)
- d. *How human are adapted in the Tundra region* (2)

ONLY FOR THE EXAMINER

a

b

c

d

e

f

g

h

i

j

Map of World for Question 2.

