

You will not be allowed to write during the first 15 minutes.

Part I is **compulsory**. All questions from **Part I** are to be attempted.

A total of **six questions** are to be attempted from **Part II**.

Note:

- (i) In all map work, make wise use of arrows to avoid overcrowding of the map.
 - (iii) All sub-sections of the questions attempted must be answered in the correct serial order.
 - (iv) All work including rough work should be done on the same answer sheet which is used to answer the rest of the paper.
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PART I (20 Marks)

(Attempt **all questions** from this Part.)

Question 1

On the outline map of India provided, mark the following:

[10]

- (i) Srinagar
- (ii) Delhi
- (iii) Kochi
- (iv) Mumbai
- (v) Bangalore
- (vi) Gulf of Khambat
- (vii) Gulf of Kutch
- (viii) Palk Strait
- (ix) Andaman Sea
- (x) Lake Chilka

Question 2

[10]

Choose the correct answers:

- (i) Which of the following is true about the Lines of Latitude?
 - (a) They are imaginary lines.
 - (b) They are parallel to the Equator.
 - (c) They reduce in length as we go towards the poles.
 - (d) All of the above.
- (ii) There is a time difference of for every 1° of longitudinal difference.
 - (a) 2 minutes
 - (b) 4 minutes
 - (c) 1 hour
 - (d) 60 seconds

(iii) The systematic study of the earth's relief features is called

- (a) Geology
- (b) Pedology
- (c) Hydrology
- (d) Geomorphology

(iv) How many Time Zones does the Earth have?

- (a) 48
- (b) 20
- (c) 12
- (d) 24

(v) Which of the following is NOT a cause of volcanic eruptions?

- (a) Heat and pressure outside the earth
- (b) Plate Tectonics
- (c) Magma chamber
- (d) Heat and pressure inside the earth

(vi) A series of shocks that result from sudden earth movement:

- (a) Earthquake
- (b) Volcanoes
- (c) Earthquake waves
- (d) Plate tectonics

(vii) layer of atmosphere is important for long distance radio communication.

- (a) Stratosphere
- (b) Troposphere
- (c) Ionosphere
- (d) Exosphere

(viii) Refer to the image & identify the type of preventive measure taken to reduce pollution.



- (a) Public transport
- (b) Jeep pooling

- (c) Car pooling
- (d) None of the above
- (ix) The process by which the toxic compound enter a food chain & increases its concentration in the tissues of organism as it travels up the food chain is called
 - (a) Eutrophication
 - (b) Biomagnification
 - (c) Bioradiation
 - (d) Bioaccumulation
- (x) Which of the following is a secondary pollutant?
 - (a) Smoke
 - (b) Ozone
 - (c) Sulphur dioxides
 - (d) Dust

PART II (60 Marks)

(Attempt **any six** questions from this Part.)

Question 3

- (i) What are lines of latitude and longitude? Who devised the lines of latitude and longitude? [2]
- (ii) Mention two characteristics of lines of latitude. [2]
- (iii) When you were waiting to welcome New Year in India on December 31, some countries of the world like Australia, New Zealand and Japan have already welcomed New Year. What is the reason for this? [3]
- (iv) Draw a well labelled diagram showing the different heat zones of the world. [3]

Question 4

- (i) Give two chief characteristics of the fold mountains. [2]
- (ii) Give one example of each: [2]
 - (a) Young fold mountain.
 - (b) Old fold mountain.
- (iii) Draw a neat diagram to show the formation of Block Mountains. [3]
- (iv) Name the different types of mountains. Describe each of them with examples. [3]

Question 5

- (i) What is a volcano? Give one example. [2]
- (ii) What is the difference between dormant volcano and an extinct volcano? [2]
- (iii) Describe the two causes of volcanic eruptions. [3]
- (iv) Draw a well labelled diagram showing the different parts of a volcano and the [3]

products erupted by it.

Question 6

- (i) Describe the distribution of earthquakes in the world. [2]
- (ii) State any two causes of earthquakes. [2]
- (iii) 'Prevention is better than cure.' How does this statement apply to earthquakes? Give reasons to support your answer. [3]
- (iv) Explain the three types of earthquake waves. [3]

Question 7

- (i) What is known as atmosphere? State the composition of the atmosphere. [2]
- (ii) What is known as troposphere? List any two characteristics of the troposphere. [2]
- (iii) Give a reason for each of the following: [3]
 - (a) We find it difficult to breathe when we climb mountains.
 - (b) The atmosphere is the most dynamic entity.
 - (c) All the weather phenomena takes place in the troposphere.
- (iv) Draw a well labelled diagram of the structure of the Earth's atmosphere. [3]

Question 8

- (i) What is environmental pollution? What is a pollutant? [2]
- (ii) What are man-made causes of radioactive pollution? Why is radioactive pollution more harmful than other types of pollution? [3]
- (iii) Which type of pollution is more prominent in the city where you live? List the causes and possible remedies? [3]
- (iv) What are Fossil Fuels? Name any two fossil fuels. [2]

Question 9

- (i) With reference to noise pollution, answer the following: [2]

Why are the construction sites considered as worse than factories in their contribution to noise pollution?
- (ii) How does air pollution affect human beings? [2]
- (iii) Why do we need to have an efficient public transport? [3]
- (iv) Explain the term organic farming. How does organic farming help in saving the soil quality? [3]
