

**GEOGRAPHY**

M.M.- 80

Attempt 8 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.

**PART - I ( 30 Marks)**

Attempt all questions from this Part.

1. Choose the correct option : 10
- a) Which of the following is true about lines of longitude?  
i) They run parallel to the prime meridian.  
ii) They are full circles.  
iii) They are 360 lines at 1 degree interval.  
iv) All of the above.
- b) Upfold: Anticline:: Downfold: \_\_\_\_\_.  
i) Syncline ii) Arch lines iii) Anticline iv) Ridges.
- c) The process of breaking and removing the rocks from the surface of the earth:  
i) Erosion ii) Mass movement  
iii) Denudation, iv) Weathering.
- d) Which current is also known as the "Black Stream"?  
i) Atlantic current ii) Kuroshio current  
iii) Oyashio current iv) Newfoundland current
- e) Clean dry sample of air is made up of \_\_\_\_\_ percent nitrogen.  
i) 72 ii) 77 iii) 78 iv) 79
- f) When both incoming radiation and outgoing radiation are balanced, it is called:  
i) Convection ii) Terrestrial radiation  
iii) Heat balance iv) Conduction.
- g) Calm region in the centre of the cyclone is \_\_\_\_\_.  
i) Focus ii) Eye iii) Core iv) All of the above.
- h) Which of the following is not a type of cloud?  
i) Cirrus, ii) Cumulus, iii) Strata iv) Stratus
- i) Motor vehicles fuel, burning of wood /coal and solid waste disposal are major sources which pollutant ?



- c) Give a geographical reason for each of the following:- 3
- Physical weathering is also called mechanical weathering.
  - Chemical weathering occurs in moist and cold climates.
  - Biological weathering is also known as Organic weathering.
- d) Give two differences between Physical weathering and Chemical weathering. Name any two processes of Chemical weathering. 3
6. a) You were watching the sea waves from the balcony of a seaside resort in Mumbai on a New Moon Day. Suddenly you noticed rise of sea water and its movement towards the coast. What was this wave and after how much time will it be repeated? 2
- b) State two factors responsible for causing the Ocean currents. 2
- c) Give reasons for each of the following:- 3
- The waters of the Oyashio current form the richest fishing ground in the world.
  - Warm currents produce a milder climate.
  - The eastern coasts of the U.S.A. are comparatively cold.
- d) Describe three main effects of Ocean currents. 3
7. a) What is known as Atmosphere? State its composition. 2
- b) Mention the chief characteristics of Stratosphere. 2
- c) Give a reason for each of the following:- 3
- All weather phenomena takes place in the troposphere.
  - We find it difficult to breathe when we climb mountains.
  - The Inosphere is suited to long distance communication.
- d) Explain the following terms:- 3
- CFC
  - Global Warming
  - Ozone Hole.
8. a) State the five temperature zones of the earth. 2
- b) Explain the Normal Lapse Rate. What is a reversal in the vertical distribution of temperature called? 2
- c) Give a reason for each of the following:- 3
- Distance from the sea affects the temperature of a place.
  - Land is heated and cooled faster than the sea.
  - The ports of the Western coast of Europe remain ice – free during winter.
- d) Draw a well labelled diagram showing that the vertical rays are hotter than slanting rays. 3

