

Self Assessment Paper

General Instructions :

1. Answers to this Paper must be written on the paper provided separately.
2. You will not be allowed to write during the first 15 minutes.
3. This time is to be spent in reading the question paper.
4. The time given at the head of this Paper is the time allowed for writing the answers.
5. 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**.
6. 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.
- (iii) All sub-sections of the questions attempted must be answered in the correct serial order.
- (iv) 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

[30 Marks]

Attempt all questions from this Part.

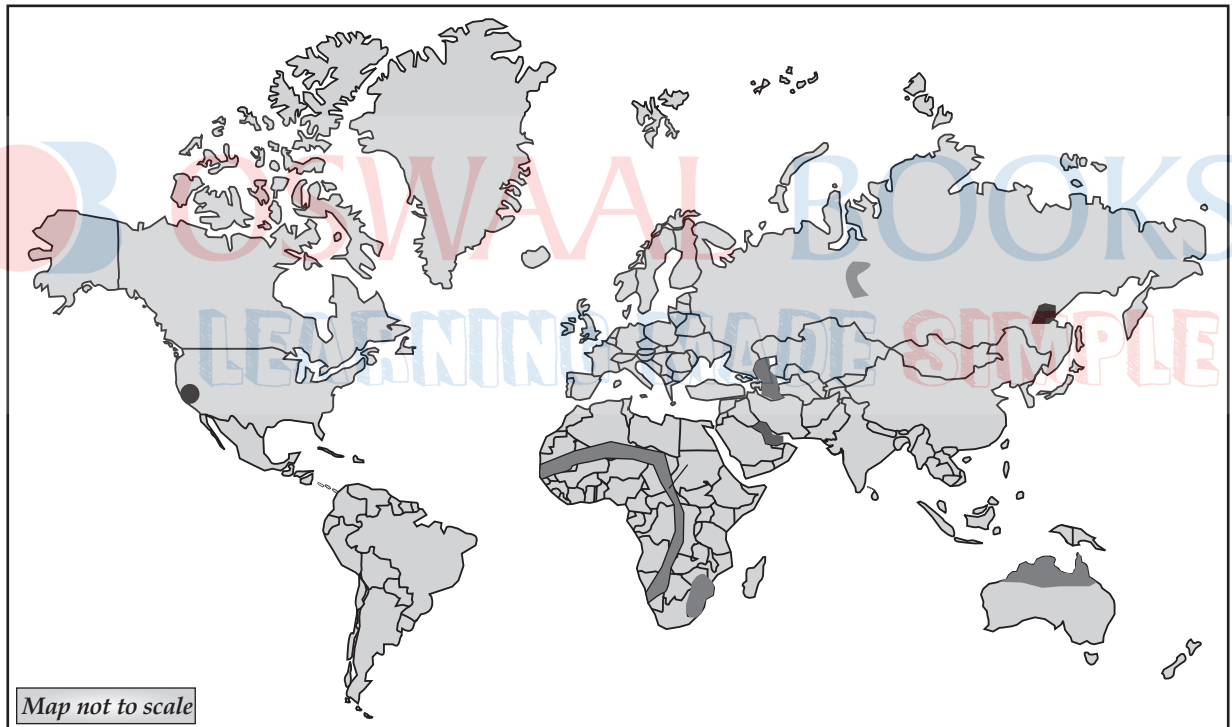
1. (a) The distance between two consecutive latitudes is always the same, but it is not in case of longitudes. Why? [2]
(b) What happens when someone crosses the International Date Line? [2]
(c) Explain any two characteristics of the rotation of the Earth . [2]
(d) (i) On which day the Sun is overhead at the Tropic of Cancer? [2]
(ii) What is this day called?
(e) Why does SIAL float above SIMA? [2]
(f) Differentiate between Thermal and Dynamic Metamorphism, stating specific examples. [2]
(g) What are the two abundant mineral elements found in the earth's crust? [2]
(h) Name any two processes that are involved in turning loose materials into hard rocks. [2]
(i) What is Fissure Eruption? How is it important to India? [2]

To know about more useful books for class-9 [click here](#)

- (j) Explain the following: [2]
 (i) Secondary Waves
 (ii) Richter scale

2. On the outline World Map mark and label the following:

- (a) Persian Gulf [1]
 (b) Caspian Sea [1]
 (c) River Nile [1]
 (d) Great Dividing range [1]
 (e) Hot desert region of North America [1]
 (f) Zagros [1]
 (g) Iranian Plateau [1]
 (h) Tropical monsoon region of Australia [1]
 (i) The Arabian Desert [1]
 (j) Gulf of Guinea [1]



PART II

[50 Marks]

Attempt any five questions from this Part

3. (a) State two important characteristics of lines of latitude pertaining to the curvature of the Earth. [2]
 (b) Give reasons: [3]
 (i) There are 90 lines of latitude in each hemisphere.
 (ii) There are 180 great circles, vertically on the globe.
 (c) Name any three countries that have more than one time zone. [3]
 (d) Draw a fully labelled diagram of the position of the Earth on 22nd December. [3]

4. (a) State any two differences between the Young Fold and Old Fold mountains. [2]
(b) Give the other name for: [2]
(i) Intrusive Igneous rocks
(ii) Extrusive Igneous rocks
(c) (i) To which classification of Sedimentary rocks does Conglomerate belong? [3]
(ii) How is it formed?
(iii) How does it differ from Breccia?
(d) What are the three types of waves in which an earthquake's vibrations travel? [3]
5. (a) Classify volcanoes on the basis of "nature of explosion", stating a specific example for each. [2]
(b) Define the following:
(i) Vent
(ii) Volcanic Cone [2]
(c) Give the original rock form of: [3]
(i) Graphite
(ii) Gneiss
(iii) Slate
(d) Place the following words and phrases under the three earthquake wave types: [3]
- Transverse waves, surface waves, 8 km/sec, 3 km/sec, longitudinal waves, 4 km/sec.**
6. (a) Why is an ocean colder on the east coast than the west Coast? [2]
(b) Why do high tides occur? [2]
(c) State any three features of Gulf Stream. [3]
(d) Illustrate the meaning of tidal range. [3]
7. (a) Why is Sun important for our planet? [2]
(b) What is the relation between air pressure and weather forecast? [2]
(c) Give any three characteristic features of monsoon. [3]
(d) Draw a neat labelled diagram of structure of the atmosphere. [3]
8. (a) Define: [2]
(i) Radiation
(ii) Convection
(b) What is the significance of shifting of pressure belts? [2]
(c) What are the three ways in which air gets cooled? [3]
(d) Give three characteristics of anticyclones. [3]
9. (a) Give reasons: [2]
(i) All weather changes occur in the troposphere.
(ii) The stratosphere provides an ideal condition for flying jet aircraft.
(b) State two conditions essential for convectional rainfall to occur. [2]
(c) Draw a neat labelled diagram of a mercury barometer. [3]
(d) What is the effect of global warming on Polar Regions? [3]
10. (a) Why is it important to dispose nuclear waste in a proper manner? [2]
(b) Define 'Pathogens'. [2]
(c) What is the effect of air pollution on: [3]
(i) Environment
(ii) Buildings
(iii) Plants
(d) Name any three sources of organic water pollutants. [3]
11. (a) Describe the wildlife of the Equatorial forests. [2]
(b) (i) Name the type of rainfall that occurs in the Amazon basin. [2]
(ii) Mention one important characteristic feature of the climate of the Amazon basin.

- (c) Give any three different names of the desert region in North America. [3]
- (d) Name any three trees grown in the Tropical Rainforest. [3]

Finished Solving the Paper ?
Time to evaluate yourself !
<https://qrqo.page.link/LdkoK>

OR

SCAN THE CODE



For elaborate Solutions

OSWAAL COGNITIVE
LEARNING TOOLS



□□□

