

GREENLAWNS SCHOOL, WORLI
TERMINAL EXAMINATION 2024-2025
GEOGRAPHY

Std: 9
Date:

Marks: 80
Time: 2 hours

PART I (30 Marks)

Question 1

- (i) 'The Earth is the third planet from the sun' Compare the earth's position and contents with those of the planet Venus giving reasons for the survival of the inhabitants on earth and the conditions which would make life impossible on Venus. [2]
- (ii) How is the geographic grid formed? Why is it useful? [2]
- (iii) Explain the terms: [2]
 - a) Gutenberg Discontinuity
 - b) Coriolis effect
- (iv) What is a dormant volcano? Why do you think it is more dangerous than an active volcano? [2]
- (v) Which type of weathering occurs in polar areas? Give a reason for its occurrence. [2]

Question 2

On the outline map of the world provided mark and label the following.

- (i) River Mekong. [1]
- (ii) The mountain range in Australia. [1]
- (iii) Gulf of Guinea. [1]
- (iv) The Iranian Plateau. [1]
- (v) The Appalachian mountains. [1]
- (vi) The Tibetan plateau [1]
- (vii) River Ganga. [1]
- (viii) The Khyber mountains. [1]
- (ix) The Arabian Sea [1]
- (x) River Nile [1]

Question 3

Choose the correct answers to the questions from the given options. [10]

(Do not copy the question, write the correct answers only.)

- (i) The latitudes are significant as they
 - (a) Divide the earth into eastern and western hemisphere
 - (b) Divide the earth into heat zones
 - (c) Divide the earth into time zones
 - (d) Divide the earth into solstice and equinox

- (ii) The core is made up of iron and nickel because
- (a) They are the densest metals
 - (b) They are the lightest metals
 - (c) They are the heat resistant metals
 - (d) They are the softest metals
- (iii) Intrusive igneous rocks are formed as:
- (a) Laccoliths
 - (b) Dykes
 - (c) Batholiths
 - (d) All of the above
- (iv) Which one of the following sentences is True?
- (a) All major volcanoes are extinct volcanoes
 - (b) All major volcanoes have a huge magma chamber beneath them
 - (c) All major volcanoes form caldera lakes at their summit
 - (d) All major volcanoes are found in the Mid-world Mountain Belt
- (v) The fold mountains in the sea which have their tops revealed as islands are:
- (a) West Indies
 - (b) Andaman and Nicobar
 - (c) Iceland
 - (d) Japan
- (vi) The main cause of weathering is
- (a) Climatic
 - (b) Endogenic
 - (c) Galactic
 - (d) Chromatic
- (vii) An earthquake may result in the creation of:
- (a) Auroras
 - (b) Acid rain
 - (c) A tsunami
 - (d) None of the above
- (viii) The extent of erosion and transportation is proportional to:
- (a) Variation in the colour of river water
 - (b) Volume of the river water
 - (c) Velocity of the river water
 - (d) Value of the river water

(ix) The landforms created in the middle course of the river are:

- (a) Waterfalls and tributaries
- (b) Meanders and river islands
- (c) Deltas and distributaries
- (d) None of the above

(x) Mankind's survival on the planet Earth depends on:

- (a) The earth's revolution around the sun
- (b) The earth's oceans and rivers
- (c) The earth's river depositions forming alluvial soil
- (d) All of the above

PART II (50 Marks)

Question 4

- a. The Biosphere is a thin layer of approximately 15 kms.
 - (i) Which region does this 15 km comprise of? Describe in detail. (2)
- b. Give geographical reasons for the following: (2)
 - (i) Equinox occurs only twice a year.
 - (ii) The earth would not experience any seasons if inclination of the earth's axis was 90°
- c. Distinguish between lines of latitudes and lines of longitudes. (3)
- d. Calculate the time at Delhi (77° E) when it is 11 am at Chicago (88° W) (3)

Question 5

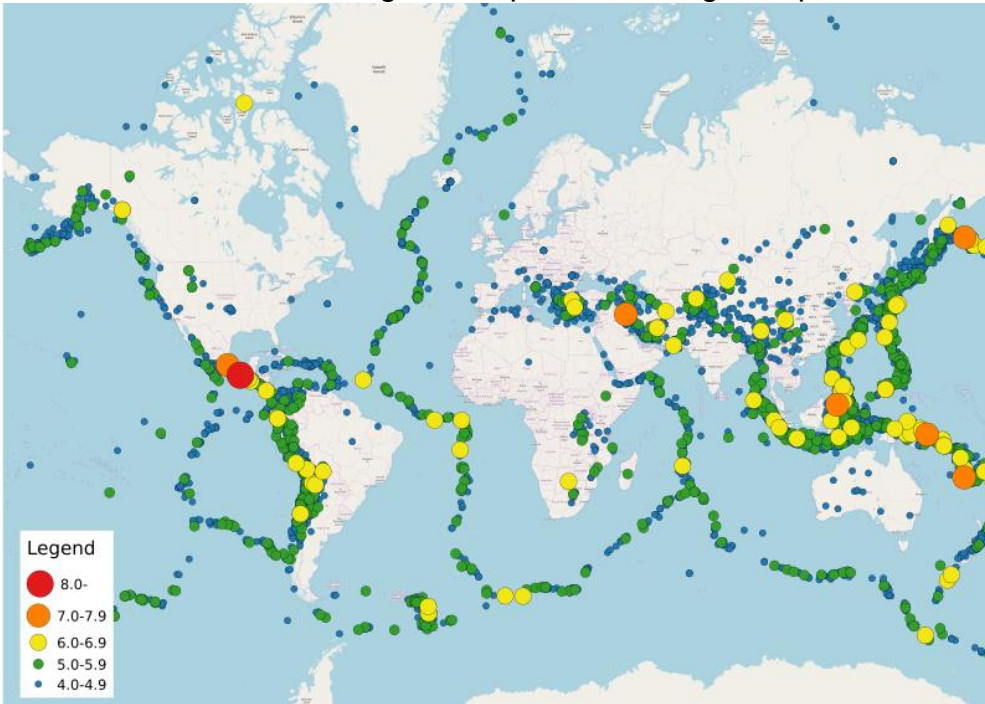
- a. What are structural plains? Give an example. (2)
- b. How are polders created? (2)
- c. Give geographical reasons. (3)
 - (i) Fold mountains are associated with volcanic activity.
 - (ii) A plateau can be very beneficial to mankind.
 - (iii) Plains are home to majority of the world population
- d. Draw a neat and labelled diagram of the formation of a block mountain. (3)

Question 6

- a. Give any two characteristics of metamorphic rocks. (2)
- b. Explain the terms: (2)
 - (i) Acid igneous rocks
 - (ii) Thermal metamorphism
- c. Name and explain the three processes involved in lithification. (3)
- d. Give geographical reasons for the following. (3)
 - (i) Calcareous rock is also said to be organically formed.
 - (ii) Extrusive igneous rocks are crystalline.
 - (iii) Igneous rocks are so named.

Question 7

- a. Where are hot springs located? Why are they located in these places? (2)
- b. Name and explain the two scales used to measure an earthquake. (2)
- c. 'An earthquake is the wrath of nature' Justify this statement giving three points of justification. (3)
- d. With reference to the given map answer the given questions. (3)



- (i) What is another name for the Pacific Ring of Fire?
- (ii) Why is the Pacific Ring so named?
- (iii) Write about the seismic activity of this region in detail.

Question 8

- a. 'Mountains give birth to agents of denudation' Mention any two agents born in the mountains and explain how they denudate? (2)
- b. How is a delta formed? (2)
- c. Explain the following terms: (3)
 - (i) Solution
 - (ii) Waterfall
 - (iii) Organic Weathering
- d. Draw a neat and labelled diagram of the profile of a river. (3)
