

**PART – I (30 Marks)**

Attempt **ALL** the questions.

I. Answer the following: [1+1+2+3+3]

- a) What are Thematic map?
- b) What is contour interval?
- c) what is R.F? Why it is universally accepted
- d) convert the R.F into statement scale and represent it with a 7cm graphical scale :  
 i . 1: 250,0000.                      ii. 1: 125,0000

II. Choose the correct option: [1x10]

- (a) Very high pressure of the interior of the earth is due to,
  - i. Temperature
  - ii. presence of rocks
  - iii. Presence of iron and nickel
  - iv. Non of these
- (b) Which rocks are associate with precious metals
  - i. Sedimentary
  - ii. Metamorphic
  - iii. Igneous
  - iv. Both i and iii
- (c ) Coromandal Coast of India is an example of
  - i. Structural Plains
  - ii. Marine Depositional Plains
  - iii. Alluvial pain
  - iv. Wind Depositional Plains.
- (d) Centrifugal force is responsible for
  - i. Deflecting wind
  - ii. Increase the speed of rotation
  - iii. Changing season
  - iv. None of these
- (e) Local time of a place determine on the basis of
  - i. Logitude
  - ii. Over head sun
  - iii. Latitude
  - iv. All of the above
- (f) What are organised to form minerals
  - i. Rocks
  - ii. Chemical
  - iii. Elements
  - iv. All of the above

- (g) The stone - sized particles ejected by a volcano are called
- Lapilli
  - Lapilli
  - Pyroclasts
  - Dust
- (h) The planer surface along which there is a slip during an earthquake is called
- Fault plain
  - Fault line
  - Fissure
  - All of the above
- (i) Moho discontinuity is found:
- 8km beneath of the continent
  - 33 km beneath of the continent
  - 32km beneath of the continent
  - 18km beneath of the continent
- (j) The theory of plate tectonics put forth in
- 1960s
  - 1950s
  - 1970s
  - 1990s

**III. On the outline map of India provided :**

**[1x10]**

- Draw name zagros
- Mark and name Appalachian
- Shade and name Patagonian plateau
- Mark and name the Himalayas
- Shade and name Mongolian plateau
- Mark and name gulf of mexico
- Mark and label Red sea
- Mark and name Strait of Gibraltar
- Mark and label Adriatic sea
- Mark and name gulf of carpentaria

**PART – II (50 Marks)**

Attempt **any five** questions.

**IV. (a) Draw a well labeled diagram to show the important lines of latitudes.**

**[ 2 +2+3+3]**

- Mention two ways in which the latitude of a place can be determine.
- Calculate the time at Anchorage 150°W when it is 3 at Chicago 88° W
- When the time is 9am at Humburg 10°E the time at Shanghai is 4:20 pm. Calculate the longitude.

- V. (a) Explain why days and nights are always equal at equator.** [2+2+3+3]
- (b) Define Dawn and Dusk
- (c) Give geographical reason for each of the following
1. The phenomenon of the midnight sun is not used for southern hemisphere.
  2. We do not feel the motion of the earth
  3. Winds and water get deflected towards their right in northern hemisphere.
- (d) Draw a well labeled diagram to show the inclination of the Earth's axis.
- VI. (a) state two point difference between SIMA and SIAL.** [2+2+3+3]
- (b) What asthenosphere? Where is it present?
- (c) Mention any three characteristics of crust which make it different from core and mantle.
- (d) draw a neat labeled diagram to show the interior of the earth.
- VII. (a) what is orogenic and epirogenic movement?** [2+2+3+3]
- (b) Mention any four characteristics of Residual Mountains.
- (c) Define with example:
- i. Intermountain plateau.
  - ii. Exogenic force
  - iii. Structural Plains
- (d) Explain the formation of block mountains with the help of a diagram.
- VIII. (a) Explain regional metamorphism.** [2+2+3+3]
- (b) How are sedimentary rocks formed? Give two examples of sedimentary rocks.
- (c) Mention any three significance of rocks.
- (d) Give reasons for the following:
- (i) igneous rocks are called primary rock.
  - (ii) sedimentary rocks are found in Layers.
  - (iii) Metamorphic rocks do not have fossils.
- IX. (a) With two examples explain the man-made causes of an Earthquake.** [2+2+3+3]
- (b) What is mid Atlantic ridge?
- (c) How are earthquake useful? Mention any three.
- (d) Give three point difference between primary and secondary waves.
- X. (a) Explain circum pacific belt.** [2+2+3+3]
- (b) State any four destructive effects of volcanoes.
- (c) Draw a neat labeled diagram to show the different parts of a volcano.
- (d) Define – i. Magma Chamber ii. Hot spring iii. Caldera lake

\*\*\*\*\* ALL THE BEST \*\*\*\*\*

## World River Map