



ST. LAWRENCE HIGH SCHOOL

SELECTION EXAMINATION

Shahabul
10/11/2018

Sub: GEOGRAPHY

CLASS - X

Full Marks: 90

Duration: 3 hours 15 minutes

Model Answer

Date: 05.11.18

GROUP-A

1. Write the correct answer from the given alternatives: 1x14=14
- 1.1 The process by which natural agents reshape the existing landscape over the earth's surface is known as –
- (a) **Exogenetic process** (b) Endogenetic process
(c) Orogenetic process (d) Epeirogenetic process
- 1.2 The main erosional process of river over salt dominated rock is –
- (a) Abrasion (b) Attrition
(c) Hydraulic action (d) **Solution**
- 1.3 The uppermost layer of Heterosphere is –
- (a) **Hydrogen layer** (b) Helium layer
(c) Atomic oxygen layer (d) Molecular nitrogen layer
- 1.4 The instrument by which humidity of air mass is measured –
- (a) Thermometer (b) Barometer
(c) **Hygrometer** (d) Anemometer
- 1.5 The influence of EL-Nino is observed in –
- (a) Atlantic Ocean (b) **Pacific ocean**
(c) Indian ocean (d) Arctic ocean
- 1.6 When the distance between earth and moon becomes least, the generating tide is called –
- (a) Spring tide (b) Neap tide
(c) **Perigean tide** (d) Apogean tide
- 1.7 The processes of waste management involve –
- (a) Reuse of waste (b) Recycling of waste
(c) Reduction of waste (d) **All of them**
- 1.8 The youngest state of India is -
- (a) Uttarakhand (b) **Telengana**
(c) Chhattisgarh (d) Goa

1.9 Dust storms of North-West India in summer is called –

- (a) Kalbaishakhi (b) **Andhi**
(c) Western Disturbance (d) Loo

1.10 A method followed in India to conserve soil is –

- (a) Irrigation (b) Jhum cultivation
(c) **Strip cropping** (d) Animal rearing

1.11 The state, which ranks first in jowar production in India is –

- (a) **Maharashtra** (b) Uttar Pradesh
(c) Bihar (d) West Bengal

1.12 The “Silicon valley of India” refers to –

- (a) Chennai (b) **Bengaluru**
(c) Kolkata (d) Delhi

1.13 The longest National Highway in India is –

- (a) National Highway 1 (b) National Highway 2
(c) National Highway 6 (d) **National Highway 7**

1.14 The R.F. of a topographical map with 15'x15' latitudinal and longitudinal extension is –

- (a) 1: 2,50,000 (b) 1: 1,00,000
(c) **1: 50,000** (d) 1: 25,000

Group 'B'

2. 2.1 Match the left column with the right column: 1x4=4

Left Column

ISRO

Vembanad

Andhi

Kandla

Right Column

**Indian Space Research
Organisation**

Kerala

Rajasthan

Tax-free port of India

2.2 If the statement is true, write 'T' and if false, write 'F' against the following (Answer any **six** statements): 1x6=6

2.2.1 Seif dunes are transformed from Barkhan dunes. **TRUE**

2.2.2 Ozone layer is known as “Natural sun-screen”. **TRUE**

- 2.2.3 In Mediterranean regions, rainfall generally occurs in summer.
FALSE
- 2.2.4 The straight line alignment of the Sun, the Moon and the Earth is called Syzygy. **TRUE**
- 2.2.5 Most of the rice in India is cultivated in winter as Rabi crop.
FALSE
- 2.2.6 The most densely populated state of India is West Bengal.
FALSE
- 2.2.7 Different symbols are used to show geographical features in satellite images. **FALSE**
- 2.3 Fill in the blanks with suitable words (Answer any **six**): 1x6=6
- 2.3.1 Planation of landmass caused by different exogenic forces is called **gradation**.
- 2.3.2 Long, narrow, winding, steep, sided, ridges formed by the fluvio-glacial deposits of sands and gravels are called **eskers**.
- 2.3.3 In Rainfall-Temperature graph of any place, if the temperature Curve becomes downward during mid of the year then the station lies in the **Southern** hemisphere.
- 2.3.4 **Centrifugal** force of the earth causes secondary high tide.
- 2.3.5 Air conditioners emit **CFC** gas into the atmosphere.
- 2.3.6 Bhagirathi and **Alakananda** River meet at Devprayag to form the river Ganga.
- 2.3.7 **Coimbatore** city is called as the “Manchester of South India”.
- 2.4 Answer in one or two words (any **six**): 1x6=6
- 2.4.1 Name the high land which separates two river systems.
Ans. **Water divide**
- 2.4.2 What is the relative humidity of saturated air? Ans. **100%**
- 2.4.3 What type of current originates in Tropical Ocean? Ans. **Warm**
- 2.4.4 What type of waste material is plastic? Ans. **Non-biodegradable**
- 2.4.5 Name the highest mountain pass in India. Ans. **Khardungla**

- 2.4.6 Where is the largest mangrove forest of the World located?
Ans. **Ganga-Brahmaputra delta**
- 2.4.7 Which soil of India is ideal for cotton cultivation?
Ans. **Black/Regur**
- 2.4.8 Which roadway has connected Delhi, Mumbai, Chennai and Kolkata? Ans. **Golden Quadrilateral**

Group 'C'

3. Answer the following questions in brief: 2x6=12
- 3.1 How are the bird's foot deltas formed? Ans. **ABS**: Chapter 1: Page - 6
OR
What is Bergschrund? Ans. **ASP**: Chapter 1: Page - 12
- 3.2 Mention two characteristic features of Jet Streams. Ans. (i) High speed Westerly wind. (ii) Blows through the upper layer of the Troposphere.
OR
What is tidal bore? Ans. **ASP**: Chapter 3: Page - 58
- 3.3 What do you mean by landfills in waste management? Ans. **ASP**: Chapter 4 Page - 65 (Under Solid Waste).
OR
What is meant by recycling of waste? Ans. **ASP**: Chapter 4: Page - 65
- 3.4 Define "Burst of Monsoon" Ans. **ASP**: Chapter 5: Page - 95
OR
Mention two purposes of "Social Forestry". Ans. **ASP**: Chapter 5: Page - 106
- 3.5 What do you mean by subsistence agriculture? Ans. **ASP**: Chapter 5: Page - 106
OR
Define Information Technology Industry. Ans. **ASP**: Chapter 5: Page - 127
- 3.6 What are the geostationary satellites? Ans. Artificial satellites revolving around the Earth from west to east maintaining the same speed of the Earth. E.g. GOMS, GOES etc.
OR
What is "Remote sensing? Ans. **ASP**: Chapter 6: Page - 146

GROUP 'D'

4. Give brief explanatory answer of the following: 3x4=12
- ↓
- 4.1 Why wind action is dominant in desert region? Ans. (i) Lack of vegetation. (ii) Uninterrupted blowing of winds. (iii) Dry and loose soil.
OR

Discuss the differences between sea breeze and land breeze. Ans. ↓

Sea Breeze	Land Breeze
Blows during day time.	Blows during night time.
Wet wind.	Dry wind.
Speed increases in the afternoon.	Speed increases in the early morning.

- 4.2 State the differences between bio-degradable and non-bio degradable wastes. Ans. ↓

Bio-degradable wastes	Non-bio degradable wastes
Capable of being decomposed.	Incapable of being decomposed.
Gets decomposed by bacteria.	Not at all influenced by bacteria.
Does not affect the plants & animals.	Negatively affects the plants & animals

OR

What are the advantages of waste composting process? Ans. (i) Increases soil fertility. (ii) Controls environmental pollution. (iii) Free from bacteria.

- 4.3 Discuss in brief three main causes of agricultural development in the states of Punjab and Haryana. Ans. (i) Extensive fertile river plain. (ii) Use of HYV seeds, chemical fertilizers and pesticides. (iii) Implementation of modern farming methods.

OR

State three main problems of urbanization in India. Ans. **ASP**: Chapter: 5 Page – 131

- 4.4 Discuss about three major uses of satellite imageries. Ans: **ASP**: Chapter: 6 Page – 147 (select any 3 from the chart).

OR

Give an account of different types of scales used in “topographical maps”.
Ans: **ASP**: Chapter: 6 Page – 143 & 146

GROUP – ‘E’

5. 5.1 Answer any **two** questions from the following: 5x2=10
- 5.1.1 Describe with sketches the landforms developed by combined action of wind and running water in the arid region. Ans. Sketch & full description of (i) Pediment (ii) Bajada (iii) Playa (iv) Wadi.
- 5.1.2 Explain three major factors responsible for temperature variation in atmosphere. Ans. Detail discussion of (i) Latitude (ii) Altitude (iii) Distribution of land and water bodies (iv) Winds and Ocean currents (any 3).

- 5.1.3 Discuss the influences of ocean currents all over the Earth.
 Ans. (i) Variation in Temperature (ii) Climatic change (iii) El-Nino
 (iv) Formation of sand banks (v) Precipitation (vi) Fog & storms
 (vii) Navigation – to be discussed in detail.
- 5.1.4 Give a brief account of the influences of Global Warming.
 Ans. **ASP**: Chapter: 2: Page - 31
- 5.2 Answer any **two** questions from the following: 5x2=10
- 5.2.1 State the physiographic differences between Eastern and Western Coastal Plains of India. Ans. **ASP**: Chapter: 5 Page - 80
- 5.2.2 Describe the favourable physical conditions required for cultivation of sugarcane. Ans. **ASP**: Chapter: 5 Page - 111
- 5.2.3 Explain why the Petrochemical Industry is more developed in Western India? Ans. (i) Raw material (ii) Oil refineries (iii) Power (iv) Ports (v) Transport (vi) Infrastructure (vii) Capital (viii) Demand – to be discussed in detail.
- 5.2.4 Discuss five reasons, responsible for uneven distribution of population in India. Ans. **ASP**: Chapter: 5 Page – 129 & 130

Group 'F'

6. Locate the following with appropriate symbols and names on the given outline map of India. Attach the map with your answer paper: 1x10=10
- 6.1 Nilgiri mountain
- 6.2 River Tapti
- 6.3 Region receiving rainfall twice a year
- 6.4 A region of lateritic soil in Eastern India
- 6.5 One millet producing region of Western India
- 6.6 The leading centre of Petrochemical Industry of India
- 6.7 The most densely populated Union Territory of India
- 6.8 The Hi-tech Port of India
- 6.9 A Mega City of Eastern India
- 6.10 One international airport of South India

NAME :

CLASS :

SECTION :

ROLL NO. :

