



[English Version]

[Groups 'A' to 'F' are common for both Regular and External Candidates and Group 'G' is meant only for External Candidates]

(All questions of Group 'A' are compulsory.)

Candidates should follow the alternatives in other groups.

(Sightless Candidates will answer the alternative questions as per directive in Group 'F' other will attempt map pointing.)

GROUP-A



1. Write the correct answer from the given alternatives:-

1×14=14

1.1 Identify a millet crop from the following-

- | | |
|------------|-----------|
| (a) Ragi | (b) Corn |
| (c) Barley | (d) Wheat |

1.2 The first cotton textile mill of India was set up at

- | | |
|---------------|----------------|
| (a) Ahmedabad | (b) Coimbatore |
| (c) Ghusuri | (d) Kanpur |





1.3 The national highway connecting Kolkata with Delhi is

- | | |
|-----------|----------|
| (a) NH 2 | (b) NH 6 |
| (c) NH 44 | (d) NH 1 |

1.4 In India, Satellite imageries are published by

- | | |
|---------------------|----------|
| (a) Survey of India | (b) ISRO |
| (c) NATMO | (d) ISI |



- 1.5 In rainy season, huge waves surge through the river mouth during high tide are called 
- (a) Ocean current (b) Sea waves
(c) Tsunamis (d) Tidal bore
- 1.6 The most detrimental pollutant, affecting environment, among the following is
- (a) Polythene (b) Newspaper
(c) Food leftover (d) Animal wastes
- 1.7 According to area, the smallest union territory of India is 
- (a) Ladakh (b) Delhi
(c) Lakshadweep (d) Puducherry
- 1.8 The combined flow of Dihang, Dibang and Lohit rivers is named as
- (a) Godavari (b) Brahmaputra
(c) Tista (d) Indus
- 1.9 An example of coniferous vegetation of Himalaya is
- (a) Mahogany (b) Arjun
(c) Sal (d) Pine
- 1.10 The natural process which involves downward displacement of soil and rock layers along the slope of a highland by gravity is called. 
- (a) Weathering (b) Aggradation
(c) Mass wasting (d) Deposition
- 1.11 "Bird foot" shaped delta is found at the river mouth
- (a) Mississippi Missouri (b) Howang Ho
(c) Irrawaddy (d) Tiber
- 1.12 In southern hemisphere, Ocean currents are deflected to the left due to 
- (a) Earth's rotation (b) Salinity of Ocean water
(c) Temperature of Ocean water (d) Gravitational force



1.13 An example of precipitation is

- (a) Dew (b) Sleet
(c) Fog (d) Smog



1.14 The cyclone developed in the Caribbean Sea is called.

- (a) Typhoon (b) Tornado
(c) Willy Willies (d) Hurricanes

GROUP - B

2. 2.1 If the statement is true, write 'T' and if false, write 'F' against the following (answer any six):- 1×6=6



- 2.1.1 Airmass, adjoining to the earth surface, is heated mainly by radiation process.
2.1.2 In topographical maps, the ratio of map distance to ground distance is indicated by scale.
2.1.3 Waste materials produced from cement factory cause air pollution.
2.1.4 Meteors get burnt in Stratospheric layer.
2.1.5 On the 8th day after new moon as well as after full moon, spring tide is observed in oceans.
2.1.6 In the desert region, temporary lakes, formed by combined action of wind and water, are called playa.
2.1.7 The plain land formed of pebbles, sand, silt etc. along the foot hill regions of Himalaya is called 'bet'.

2.2 Fill in the blanks with suitable words (answer any six) 1×6=6

- 2.2.1 In north-west India, the dust storm of summer season is known as _____.
2.2.2 The smallest elementary unit of satellite image is _____.
2.2.3 When the distance between earth and moon becomes 3.56 lakh Km, the position is called _____.
2.2.4 Wastes, emitted from nuclear power plant are referred to as _____ wastes.
2.2.5 The undissolved fine sand, silt and mud etc. are carried by river in _____ process.



- 2.2.6 Air pressure is measured by _____ instrument.
- 2.2.7 The natural process through which existing landforms evolve and change on the earth surface is called _____ process.

2.3 Answer in *one or two words* (answer any six):-

1×6=6

- 2.3.1 Which warm ocean current keeps the ports of north-west Europe ice free during winter?
- 2.3.2 River Vitasta (Jhelum) flowing through Kashmir is the tributary of which river?
- 2.3.3 Which type of farming has caused excessive soil erosion in north-eastern part of India?
- 2.3.4 The central research institute of which crop is located at Cuttack of Odisha?
- 2.3.5 According to 2011 census, what is the minimum population limit of a metropolis in India?
- 2.3.6 In a topographical map, if given R.F. is 1:50,000, what will be its metric scale?
- 2.3.7 What is the cone shaped landform called that develops along the foot hills, by fluvial action?
- 2.3.8 Name the imaginary line which connects the places having equal amount of rainfall.

2.4 Match the *Left Column* with the *Right Column*:-

1×4=4

<i>Left Column</i>	<i>Right Column</i>
2.4.1 Ladakh	1. Tax-free port
2.4.2 Kandla	2. Khardungla.
2.4.3 Bhilai	3. Luni
2.4.4 Rajasthan	4. Iron and steel industry

GROUP - C

3. Answer the following questions in brief (Alternatives should be noted) :-

2×6=12

- 3.1 What is "Rann of Kutch"?

OR



Define agro-forestry.

3.2 What do you mean by 'ancillary industry'?

OR

Name two metropolitan cities located at eastern and western corners of "Golden Quadrilateral".

3.3 What do you mean by false colour?

OR

What is sensor of satellite?

3.4 Define toxic wastes?

OR

What do you mean by segregation of wastes?

3.5 What is meant by dew point?

OR

What is Syzygy?

3.6 What do you mean by fluvial abrasion?

OR

Define "albedo"

GROUP - D

4. Give brief explanatory answer of the following (Alternatives should be noted):-

3×4 = 12

4.1 Describe the different methods of waste management.

OR

Discuss the effects of waste disposal on Bhagirathi-Hooghly River.

4.2 Mention three major characteristic features of satellite imageries.

OR

State three major advantages of topographical maps.

- 4.3 Explain in brief the formation of oxbow lake along with diagram.



OR

State three major differences between trade winds and westerlies.

- 4.4 Mention the effects of tropical cyclones and western disturbances on the climate of India.

OR

Discuss the reasons, responsible for the agricultural prosperity of Punjab and Haryana.



GROUP – E

[Sketches are not essential for sightless candidates]

5. 5.1 Answer any *two* questions from the following:- 5×2=10

- 5.1.1 Give an account of the characteristic features of Troposphere and Stratosphere.
- 5.1.2 Explain with suitable diagram, the factors responsible for the formation of high tide & ebb.
- 5.1.3 Describe along with diagram & examples three major landforms produced by glacial erosion.
- 5.1.4 Explain along with diagram the factors responsible for the formation of equatorial low pressure belt and polar high pressure belt of the earth surface.

- 5.2 Answer any *two* questions from the following:- 5×2=10

- 5.2.1 Discuss the favourable natural conditions required for cultivation of wheat.
- 5.2.2 State the major regional distribution, formation and characteristic features of black soil of India.
- 5.2.3 Discuss five major problems of urbanization in India.
- 5.2.4 Explain the factors supporting the development of Information Technology Industry of India.



GROUP – F

6. Locate the following with appropriate symbols and names on the given outline map of India. Attach the map with your answer scripts. 1×10=10

- 6.1 A laterite soil region of south India.
- 6.2 A mangrove forest region of eastern India.



- 6.3 A Sugar cane producing region of north India.
- 6.4 Satpura mountain
- 6.5 Mahanadi river
- 6.6 Lake Kolleru
- 6.7 Center receiving highest rainfall.
- 6.8 Chandigarh
- 6.9 One heavy engineering industrial centre of eastern India.
- 6.10 Nhava Sheva Port.



OR

[For Sightless Candidates Only]

6. Answer any *ten* of the following questions:-

1×10=10

- 6.1 Where is Central Sugarcane Research Institute of India located?
- 6.2 Which region of India produces world famous flavoured tea?
- 6.3 Name the centre of largest iron and steel plant of India under private sector.
- 6.4. Where in India, the first petro-chemical industry was set up?
- 6.5 Which is the longest National Highway of India?
- 6.6 According to 2011 census, name the most populous state of India.
- 6.7 According to total population, which is the largest metropolitan city of India?
- 6.8 Mention the name of a port located in Goa.
- 6.9 Name the capital of Telangana State.
- 6.10 Mention the name of the highest peak of Karakoram Range.
- 6.11 Name a rift valley of India.
- 6.12 Which is the largest fresh water lake of India?
- 6.13 Where in India cactus vegetation is found?
- 6.14 In India, which type of rice is cultivated during winter season?





GROUP-G

[For External Candidates Only]

7. 7.1 Answer any *three* questions:-

2×3=6

- 7.1.1 What is "Katabatic Wind"?
- 7.1.2 Define continental glacier.
- 7.1.3 Give a definition of agricultural wastes.
- 7.1.4 What do you mean by "Cold Wall"?

7.2 Answer any *four* questions:-

1×4=4

- 7.2.1 Mention the name of a mineral based industry of India.
- 7.2.2 In which region of India ropeways are mainly used?
- 7.2.3 Name the highest plateau of India.
- 7.2.4 Which is the first multi-purpose river valley project of India after independence?
- 7.2.5 Name one fiber crop produced in India.



