



ਦਿੱਲੀ ਆਲੋਚ  
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## PRELIMINARY EXAMINATION 2015 – 2016

Subject: Geography

Date: January 12, 2016

Std. XA

Time: 2 Hours  
(plus 15 minutes reading time)

Marks: 80

### General instructions:

- Answers to this paper must be written on the separate answer booklet provided.
- This question paper has eleven questions on 8 pages and one map of India attached to it.
- The intended marks for questions or parts of questions are given in brackets. [ ]
- Attempt seven questions in all. Part I is compulsory. All questions of Part I are to be attempted. A total of five questions are to be attempted from Part II.

### PART – I

Attempt all questions from this Part

Question 1

Study the extract of the Survey of India Map Sheet No. 45D/10 and answer the following questions:

- a) Give the six figure grid reference of: [2]
- Anjni Devi Ka Mandir
  - Spot height 1425
- b) Give the four figure grid reference of: [2]
- Mohabbatgarh
  - Asawa
- c) Give two reasons as to why there is no habitation in the south eastern corner of the map. [2]
- d) What do the following represent? [2]
- 10r in 2221
  - 300 in 2119
- e) Name the natural feature present in grid square 2020. [2]  
How is it formed?



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- ✓ a) If you were to cycle at 10 km an hour, how much time would it take to go from Anadra to Gulabganj along the metalled road? [2]
- ✓ b) In what way does the pattern of drainage in grid square 2118 differ from that in grid square 2114? [1]
- ✓ c) State the compass direction of Gulabganj from Udwaria. Mention one important difference between the two of them. [2]
- ✓ d) Name one man made source of irrigation used in this region. [1]
- ✓ e) What kind of road connects Gulabganj with Anjni Devi Ka Mandir? [1]
- ✓ f) How does the road from Gulabganj to Sirori cross the Sipu Nadi and the road from Gulabganj to Panera cross the intervening canal? [2]
- ✓ g) Account for the necessity of fire lines in the jungle area of the given map extract. [1]

## Question 2

On the outline map of India provided:

- ✓ a) Shade and label the Satpura Range. [1]
- ✓ b) Label the River Krishna. [1]
- ✓ c) Shade and label the Khasi Hills. [1]
- ✓ d) Mark and label the Malabar coast. [1]
- ✓ e) Mark and label the Aravali Range. [1]
- ✓ f) Mark and label the Tropic of Cancer. [1]
- ✓ g) Mark and name the Karakoram Pass. [1]
- ✓ h) Shade and name a densely populated state in South India. [1]
- ✓ i) Name and print O on an oilfield in north east India. [1]
- ✓ j) Mark with a dot and name Srinagar. [1]



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## PART – II

(Attempt any five questions from this part)

### Question 3

- a) With reference to Western Disturbance, answer the following questions: [2]
- Name the season when it is prevalent in India.
  - State two of its climatic characteristics.
  - Mention the economic importance of the same.
- b) Give two reasons to explain why Chennai does not get much rain in July. [2]
- c) With reference to the Bay of Bengal branch of the South West Monsoon, answer the following questions: [3]
- What is its direction over the Ganga Plain?
  - Why does Agra get less rainfall than Patna?
- d) The table given below shows the temperature and rainfall data of two cities of India. Study it carefully and answer the following questions:

City		Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
M	Temp <sup>o</sup> C	19.4	21.7	25.7	29.4	30.6	29.4	28.9	28.3	28.3	27.2	22.8	19.4
	Rain(cm)	0.7	2.8	3.6	4.8	14.5	30.2	31.8	32.3	25.1	10.6	1.8	0.5
N	Temp <sup>o</sup> C	25.0	26.5	28.7	30.6	31.3	30.8	30.3	29.8	29.3	28.0	26.4	25.2
	Rain(cm)	1.97	1.34	1.77	5.48	6.95	3.98	4.94	10.3	11.9	18.8	14.5	5.1

[3]

- Which of the above stations has a low annual range of temperature? Suggest a reason for it.
- Calculate and compare the total annual rainfall of both the stations.



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#### Question 4

- a) With reference to the soil found extensively in Bihar answer the following questions: [3]
- Name the soil found here.
  - How does it form?
  - Name two cash crops that grow very well in this type of soil.
- b) Why is black soil agriculturally very important? [2]
- c) Mention two characteristics of Laterite soil. [2]
- d) i) Red Soil is reddish in colour. [3]  
ii) New alluvium is ideal for rice cultivation.  
iii) Laterite soil is friable in nature.

#### Question 5

- a) Define the following terms: [2]
- Social forestry
  - Agro forestry
- b) With reference to the tropical Evergreen Forests in India, answer the following questions: [3]
- State two characteristics of this type of forests.
  - Mention the general climatic condition which prevails in this type of forests.
  - Why can these forests not be exploited commercially?
- c) (i) What is the most commercially important natural vegetation belt of India? [2]  
(ii) In what rainfall range is this vegetation belt located?



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d)

Give reasons as to why:

[3]

- i) The leaves of the tropical desert vegetation are thin and the stem is succulent.
- ii) Lakshadweep has zero percent of natural vegetation area.
- iii) There is an urgent need to conserve bio-diversity of India.

Question 6

a) With reference to water resources, answer the following questions:

[2]

- i) Name the primary source of fresh water in our country.
- ii) State the ways ground water can be availed for regular use.

b) How can the growing demand for fresh water be met in India?

[3]

c) In context of irrigation in India, answer the following questions:

[2]

- (i) Name a food crop, grown extensively in Punjab which thrives best on irrigation.
- (ii) Name a cash crop grown in Maharashtra, which thrives well on irrigation.

d) With reference to drip irrigation practised in India, answer the following questions:

[3]

- i) What is drip irrigation?
- ii) State two limitations of drip irrigation.
- iii) State two main objectives for the same.



**Question 7**

- a) Give the full form of the following: [2]
- i) ONGC
  - ii) HPCL
  - iii) GAIL
  - iv) LPG
- b) Name the following: [3]
- i) Oldest oil field in India.
  - ii) Main type of coal found in Jharkhand.
  - iii) One off-shore oil field situated in the Arabian Sea.
- c) State two uses of Aluminium which will indicate the importance of bauxite mining in India. [2]
- d) Give a geographic reason for each of the following: [3]
- i) Coal is losing popularity as a source of power.
  - ii) Transport cost of petroleum is less costly compared to coal.
  - iii) Anthracite is used for domestic purposes.

**Question 8**

- a) What is 'Dry farming'? How is it helping to combat the problem of population explosion? [3]
- b) With reference to plantation farming in India answer the following questions: [3]
- i) Name one important plantation crop which is cultivated both in the north and the south.
  - ii) State two important characteristics of this type of farming.



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- iii) State two main problems faced by the farm owners. [2]
- c) i) Name two important cash crops grown in Maharashtra. [2]  
ii) Name the soil on which these crops are grown.
- d) Name the edible oil seeds cultivated extensively in Punjab. State two main uses of the same. [2]

#### Question 9

- a) State geographical factors which should be kept in mind while setting up an agro-based industry. [3]
- b) Name two important agro-based industries situated in the Punjab and Haryana industrial region [2]
- c) Give two reasons for the development of artificial fibres in India. [2]
- d) Name the following: [3]  
(i) An important agro-based industry in coastal Kerala.  
(ii) An important by-product of the sugar industry.  
(iii) A state which grows long staple cotton in North India.

#### Question 10

- a) Mention two reasons for the concentration of steel plants in the Chhota Nagpur region. [2]
- b) What is a petrochemical industry? Mention two reasons why petrochemical products are replacing traditional raw materials. [3]



- c) What is the importance of the Heavy Engineering industry for the industrial development of India? [3]  
Name two heavy engineering Industrial units for machine tools in India.
- d) Name the following: [2]
- i) A ship building industry on the west coast of India.
  - ii) A centre where diesel locomotives are manufactured.

### Question 11

- a) With reference to road transport in India, answer the following questions: [3]
- i) Why is road transport favoured in the northern plains of India?
  - ii) What is the Golden Quadrilateral? Mention any two ways in which it will help in the economic development of the country.
- b) Name two areas where helicopter services may be used. [2]
- c) With reference to solid waste, answer the following questions: [2]
- i) What is 'Vermiculture'?
  - ii) State the most useful feature of Vermiculture.
- d) List three differences between biodegradable and non-biodegradable wastes. [3]