

The Cathedral and John Connon School

Preliminary Examination 2014-2015

GEOGRAPHY

Std: 10

Date: 9-01-2015

Marks: 80

Time: 2 hrs.

Answers to this paper must be written on the paper provided separately.

You will not be allowed to write during the first ten minutes.

This time is to be spent in reading the paper.

The time given at the head of the paper is the time allowed to write the paper.

This paper consists of 8 printed sides + 1 map of India.

Attempt seven questions in all. Part I is compulsory.

All questions from Part I- are to be attempted.

A total of five questions are to be attempted from Part II.

The intended marks for the questions are given in brackets [].

Note: i) In all map work, by a wise use of arrows to indicate positions of countries, cities and other insertions that you make, you will be able to avoid overcrowding parts of the map.

ii) The extract of Survey of India Map Sheet no. 45D/10 must not be taken out of the examination hall. It must be handed over to the invigilating teacher in your hall.

iii) Maps given at the end of this question paper, if used, must be fastened with your answer booklet.

iv) All sub-sections of each question must be answered in the correct order.

v) All working including rough work should be done on the same answer sheet as the rest of the answer.

Part I (30 marks)

Attempt all questions from this part.

Question I:

Study the extract of the Survey of India map sheet no. 45D/10 and answer the following questions: (2009)

[20]

2 each

a- i- Give the 6 figure grid reference of the causeway southeast of settlement Was.

ii- Give the 6 figure grid reference of the perennial lined well which is Brackish, to the east of the map extract.

b-i Calculate the area enclosed between easting 13-16 and northing 02 - 05.

ii- Calculate the distance along the metaled road, from the causeway North east of Palri khera to distance stone 16 along the metaled road in meters.

c- i- Identify the 2 types of roads found in 1808.

ii- Differentiate between the settlement Dhavli and settlement in 1102.

d- i- How are steep slopes and cliffs depicted on a survey map.

ii- Identify 2 contour features in 1609.

e- Identify the 3 manmade and 1 natural feature in 1206.

f- What do the following indicate?

i- 2r in 1207

ii- 3r in 1107

iii- Black vertical line 40'

iv- 260 in brown in 1006

g- i- Define the term open scrub.

ii- What does it tell you about the rainfall of this region.

iii- Differentiate between the type of drainage in 0905 and 1507.

h- i- How do the blue dots on survey map aid agriculture.

ii- What type of special wells are found in 1806. Why are these not useful?

iii- Why is settlement Vajna more important than settlement Dhavli.

i- i- Identify 2 types of vegetation found on the map.

ii- Why is there an absence of settlements in the Northeast section of the map. (2 points)

j- i- What is a causeway. What is it used for?

ii- Give 2 evidences to show that the river in 1009 is in the middle course.

Question 2:**[10 marks]**

On the outline map of India provided, mark and label the following.

- a- The latitude which divides India into 2 temperature zones.
- b- Karakoram pass
- c- The first coast to receive rainfall, from the S.W monsoon winds.
- d- An area in north India where 'leached soil' is found.
- e- An important area for iron ore in India.
- f- River Brahmaputra
- g- A sparsely populated area in India.
- h- Kolkatta
- i- Vindhya
- j- The capital of India

Question 3:**[10 marks]**

- a- Differentiate between the cyclonic rain in Tamilnadu and Punjab (2)
- b- Cherrapunji receives 1000cm of rain whereas shilling on the leeward side receives 200 cm of rain.- Explain. (2)
- c- Study the table given below and answer the following: (3)

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
Temp in °C	1.5	4.5	18.4	29.7	39.6	43.3	38.7	29.6	28.5	16.6	9.8	3.4
Rain in cms	24.7	18.9	—	—	—	1.8	19.6	17.5	10.5	—	—	34.4

- i- Calculate the winter rainfall of the station.
- ii- Calculate annual range of temperature of the station.
- iii- Where do you think the station is located? (Give a place)

d- Give geographical reasons for the following: (3)

- i- Norwesters are beneficial local winds.
- ii- The south facing slopes of the Himalayas have more hill station.
- iii- The North east monsoon does not affect all of India.

Question 4:

[10 Marks]

a- Differentiate between the 2 types of soil erosion which is rampant in India. (2)

(mention the types and how they occur)

b- Differentiate between Red soil and Black soil. (2)

c- Give geographical reasons for the following: (3)

i- Soil erosion is most prominent in arid regions.

ii- Laterite soil is not very fertile.

iii- Afforestation is important for soil conservation.

d- Define the following: (3)

i- In situ

ii- Humus

iii- khaddar

Question 5:**[10 Marks]**

- a-Identify the major vegetation belts of India. (2)
- b-Identify the following trees. (2)
- i-Its fruit is eaten raw and is found in the desert region.
- ii- Its oil is useful for medicinal purposes and is found in the mountain forests.
- c-With reference to littoral forests answer the following: (3)
- i- Where are they most prominently found?
- ii- What special adaptation do these trees have?
- iii- Identify 2 trees found in this region.
- d- Give geographical reasons for the following: (3)
- i- Evergreen forests are found on the windward side of the Western Ghats.
- ii- Forests are vital for environment protection- Explain. (2 points)

Question 6:**[10 Marks]**

- a- Spray irrigation may not always be advantageous- Explain (2)
- b- Well irrigation is most suitable to the northern plains of India.-Explain (2)
- c- i-Water conservation is the 'need of the hour'.-Explain (2 points) (3)
- ii-Name the most important state for rainwater harvesting.
- d- Give geographical reasons for the following. (3)
- i-Multipurpose projects are not always useful.
- ii-Perennial canals are a boon to the areas they pass.
- iii-Tank irrigation is mainly restricted to the Deccan.

Question 7:**[10 Marks]**

- a- Minerals are important to India- Explain. (2)
- b- i-Identify the 2 most important types of iron ore found in India. (2)
ii-Name one place in Orissa and Chattisgarh where iron ore is found.
- c- i-Identify the types of coal found in India. (3)
ii-Identify the oldest coal mine and its state.
- d- Answer the following: (3)
i-Name an oil refinery in the joint sector.
ii-Name one place in Orissa for manganese.
iii-Identify one industry that utilizes limestone the maximum

Question 8:**[10 Marks]**

- a-Give the climatic requirements for growing cotton . (2)
- b-Differentiate between subsistence and Plantation farming. (2)
- c-Give geographical reasons for the following: (3)
i-Sugarcane in India has a better sugar content.
ii-Jute is often termed as the golden fiber.
iii-Wheat is mainly grown in North India in winter..
- d-Define the following. (3)
i-Retting
ii-Oilcake

Question 9:**[10 Marks]**

- a- Woolen industry is mainly found in Punjab. –Explain (2)
- b- Explain 2 problems faced by the cotton textile industry in Mumbai. (2)
- c- i-Identify the types of silk found in India. (3)
ii-Name the 2 important centers in Karnataka for rearing of silkworms.
- d- i-What is the importance of the jute textile industry. (2 points) (3)
ii-Identify 2 centers in West Bengal for this Industry.

Question 10:**[10 Marks]**

- a- With reference to the Durgapur steel plant answer the following:- (2)
i-Where does this plant get its iron ore from?
ii-Where is this plant located?
- b-i-Explain the factors that favour the development of the ship building industry. (2)
ii-Name 2 important ship yards in India
- c-Name one important centre each for the production of the following. (3)
i- Tractor
ii- Electronic goods
iii- Petrochemicals
- d-i-Mention 2 reasons for the development of petrochemical industries in India. (3)
ii-How is it advantageous for a mini steel plant to use electric furnaces.

Question 11:**[10 Marks]**

- a-Usage of inland waterways have declined – Explain (2)
- b-Name the following. (3)
i-The headquarters of the northeast railway.
ii-The starting and ending point of the national waterway 3.
iii-India's first expressway

c-Define: (2)

i-Eutrophication

ii-Biomagnification

d-i-What are sanitary landfills? (3)

ii-Plantations at landfill sites must adhere to certain specifications-Explain(2 points)
