

THE CATHEDRAL AND JOHN CONNON SCHOOL

Date : 15.01.08

STANDARD 10 - PRELIM EXAMINATION

TIME : 2HRS

Marks: 80

GEOGRAPHY- 2007- 2008

5 PRINTED SIDES + 1 MAP

Theexampapers.com

NOTE: - All answers are to be written on the answer script provided.

-The map provided must be attached at the end of the answer script.

- All questions from part 1 are compulsory. Select any 5 questions out of 6 From part II.

Part 1 (30 marks)

Attempt all questions from this part.

Question1:

[20 marks]

Study the extract of the survey of India map sheet no 45 D/10 and answer the questions that follow.[2001]

- a- i- Give the 6 figure grid reference of the causeway left of Vajna. (2)
ii- Give the 6 figure grid reference of . 1212 south of Nakhi Talao.
iii- Give the 4 figure grid reference of a waterfall of 12 metres.
iv- Give the 4 figure grid reference of settlement Chandela.
- b- Identify the following conventional symbols: (2)
i- 6 r in 1903.
ii- 11 in red along the metalled road.
iii- Black broken lines in 1610.
iv- Black tree in 1408.
- c- Identify 4 relief feature represented by brown lines in 1609. (2)
- d- i- What are the 2 main modes of transport shown on the map extract.
ii- What is the main source of irrigation in the Southwest part of the map.
iii- What is the main source of potable water for Mt Abu.. (2)
- e- i- Identify the type of settlement in 1903 and. 1809.
ii- Identify the drainage pattern in 1606 and 1509. (2)
- f-i- Which part of the map do you think has the higher ground. Give reasons for your answer.
ii- Give 2 reasons for the absence of settlements in the Central part of the map. (2)
- g- What are the 2 occupations of the in grid square 2006. Give evidences for your answer. (2)
- h-i- What is used to cross the shallow stream in 1502. Define it. (2)
ii- Identify the type of well found in 1403. Define it.

i-i- Calculate the angular bearing and corresponding direction of 368 in 1504 from 590 in 1707 .

ii- calculate the distance in meters between $\Delta 1327$ (2110) and spot height 854 (2006) – as the crow flies. (2)

j-i- Calculate the area of the entire map extract.

ii- Calculate the length of the entire map extract in meters. (2)

Question 2:

[10 marks]

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

- a- lake Vembanad
- b- River Jhelum
- c- The capital city of Nepal.
- d- Satpura range
- e- An area of growing Tea in North India
- f- An area of Black soil
- g- The winds that bring relief rain in winter.
- h- Rann of Kutch
- i- The port city of Pakistan
- j- An off shore oil field near Mumbai

PART II (50 MARKS)

Attempt any 5 questions from this section

Question 3:

[10 marks]

- a- Give the latitudinal and longitudinal extent of Myanmar (2)
- b-i- Calculate the time in Kabul when it is 1 am on 15 November in Chittagong. (2)
ii- State the value of the angle that the standard meridian of Nepal and Pakistan make with the Prime meridian each.
- c- Give geographical reasons for the following:
 - i- Bhopal receives the midday sun exactly overhead twice a year, whereas Vidisha only a few kilometers north does not do so even once.
 - ii- Explain why, Nepal has a North to South drainage pattern.
 - iii- Laterite soils are infertile.
- iv- West flowing rivers of Peninsula India do not form deltas.
- v- People of Afghanistan are mainly Pastoral nomads.
- vi- Khaddar soils are the most fertile. (6)

Question 4:

[10 marks]

- a-i- Name the season during which the N. E Monsoon dominate the Indian subcontinent.
- ii- Name the type of rainfall experienced in India at the same time.
- iii- In which season do the N.E.Monsoon winds get completely reversed? Name the months covered by this season. (2)

b-What is India's North – South extent? How many kms apart is each latitude? Calculate in Kms the Latitudinal extent of India. (2)

c- Name the following:

- i- The most widespread transported soil of India.
- ii- The eastern extension of the great mountain wall in Myanmar?
- iii- Type of drainage in the Thar.
- iv- The source of rain for Most of Myanmar.
- v- The place from where the ganga is Navigable upto its mouth.
- vi- The side of the Jaintia hill which receives more rain. (3)

d- Study the table given below and answer the following:

	J	F	M	A	M	J	J	A	S	O	N	D
Temp °C	7.6	13.2	21.6	29.8	32.4	30.1	27.1	26.8	21.9	30.7	18.5	9.3
Rain cm	-	-	-	-	-	62.5	51.7	72.3	40.8	-	-	-

- i- Calculate annual rainfall of the station.
- ii- Calculate Mean annual temperature of the station.
- iii- Calculate the range of temperature of the station. (3)

Question 5:

[10 marks]

a- Explain 2 importance of the cottage industry

*employment
backbone of Indian economy*

b- Give a geographical reason for the location of the following industries:

- i- Ship building in Vishakhapatnam. (2)
- ii- Iron and steel industry in Jamshedpur. (2)

c- Answer the following:

- i- The growth of pulses are increasing – Explain.
- ii- What is oilcake.
- iii- Ratooning is beneficial to the Indian farmer. (3)

(3)

d-With reference to the leading beverage crop grown in(south) India answer the following:

1- i- Name one important growing area in India

ii- Name the most important Auction centre.

2- Mention 2 features to reflect a shift from Subsistence farming to commercial farming.

3- Consolidation of land holdings has helped the farming community.-Explain . (3)
(2 Pts)

Question 6:

[10 marks]

a-How is Nuclear power obtained? Name the Nuclear power plants located in Tamil nadu and Rajasthan. (2)

b-State the SAARC country which has the largest iron ore reserves. Mention the 2 types of Iron ore found in that country. Name the most important state for Iron ore in India. (2)

c-Name the types of coal found in India. What is the main drawback of the coal found in our country. (3)

d-With reference to biogas answer the following questions

i- What is it?

ii- Why is it a popular source of energy in rural areas? 2 points.

iii- How is the government helping in setting up of biogas plants. 2 points (3)

Question 7:

[10 marks]

a- With refernce to the Durgapur steel plant-answer the following.
Where does it get each of its raw materials from? (2)

b- i-State 2 importance of electronics in Defence.

ii- State the importance of the heavy engineering industry in the industrial development of India. Name one important requirement of this industry. (2)

c- With reference to the main cash crop grown in basaltic lava soil – answer the following.

i- Name the crop.

ii- What is the main process it undergoes after harvest.

iii- Explain the above process.

iv- Explain 2 problems faced by its industry. ((3)

d- Answer the following:

- i- Describe 2 features of subsistence agriculture.
- ii- Wheat is grown as a Rabi crop.- Give 2 reasons for your answer.
- iii- State the role of the central government in solving the problems of sugarcane cultivators.- 2 points.

(3)

Question 8:

a-State 2 advantages of Petrochemicals . Name any 2 petrochemical products. (2)

b- Give the climatic requirements for growing rubber. (2)

c- Explain the following terms. Also mention which crop they are associated with

i- Retting

ii- Bud grafting

iii- Transplantation

(3)

d-Answer the following:

i- What is geothermal energy?

ii- What is NTPC? What is its main aim?

iii- Multipurpose projects are vital to the development of India- Give 2 reasons to support your answer

(3)

Outline Map for Question No. 8

(This map, if used, must be fastened with all other answers)

