

GEOGRAPHY

(Three hours and a quarter)

(The first 15 minutes of the examination are for reading the paper only.

Candidates must NOT start writing during this time).

*Answer **Question 1 (compulsory)** from **Part I** and any **SEVEN** questions from **Part II**.*

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

PART I (Compulsory)

Question 1.

[30 marks]

- i) What is a settlement and settlement pattern? [2]
- ii) a) Explain 'population pyramid'. [1]
b) Give **ONE** example of mineral based industry which produces Gypsum. State its location. [1]
- iii) Write **TWO** benefits of Green Revolution in agriculture. [2]
- iv) Describe Agro-based industries and Forest based industries with **ONE** example each. [2]
- v) Write any **TWO** importance of Human Resource Development.
- vi) Calculate the Crude Death Rate for Gasa with the following data [2]

Total number of deaths → 50
Total population → 3000
- vii) Name **ONE** crop associated with the following crop varieties. [2]
I Palmira
II Yusikap
III Milyang
IV Jonathan
- viii) Write **TWO** relationships of a transport with an industry. [2]
- ix) Write **TWO** roles played by computers in the present day life. [2]
- x) Differentiate between 'infill' and 'ribbon settlement'. [2]

- xi) Classify urban roads based on their functions and purpose.
- xii) Distinguish between mass communication and personal communication.
- xiii) Write **TWO** uses of petroleum. [2]
- xiv) Culture and heritage play a vital role in the promotion of nation's security. Do you agree? Give **TWO** reasons. [2]
- xv) What are **TWO** negative impacts of economic growth on the environment? [2]

PART II (70 MARKS)

Answer any **SEVEN** questions

Question 2

- a) What is mass media? [1]
- b) Write **TWO** distinctions between population structure and population characteristics. [2]
- c) Give **TWO** differences between National Highways and Expressways. [2]
- d) Why are road transports important? Give **TWO** reasons. [2]
- e) 'Nature preservation is important for promotion of GNH in Bhutan'. Justify your answer with **THREE** reasons. [3]

Question 3

- a) List down any **TWO** services provided by the Bhutan Post. [1]
- b) Write down **TWO** measures to overcome the problems of road transportation in Bhutan. [2]
- c) Explain 'Concentric Zone Theory' with the help of a diagram. [3]
- d) Mention **TWO** advantages and disadvantages of working in the industry. [2]
- e) What is your opinion about the environmental policies of the Royal Government of Bhutan? [2]

Question 4

- a) Explain **TWO** physical factors that determine the types of rural settlement. [1]
- b) i) What is crop combination? [1]
ii) Write **TWO** geographical conditions required for barley cultivation. [2]
- c) State **ONE** role played by each of the following in improving agriculture practices: [3]
 - i) Crop rotation
 - ii) High yielding variety seeds
 - iii) Terracing
- d) Write **TWO** problems posed by mountains and dense forests in the construction of transport and communication networks. [2]

Question 5

- a) Write **TWO** hazards of nuclear energy. [2]
- b) Explain how break-in transport helps in the growth of urban areas. [2]
- c) Differentiate between conventional and non-conventional sources of energy with **ONE** example each. [3]
- d) “Television and Newspapers are the important mass media”. Which one do you think has greater impact on the life style of Bhutanese people? Why? Write **TWO** reasons. [3]

Question 6

- a) Define the term ‘resources’. [1]
- b) ‘Accessibility is one of the characteristics of resources’. Give **TWO** examples. [2]
- c) Distinguish between non-material and material culture. Give **ONE** example each. [2]
- d) Write your views on how the distribution of population is related to the distribution of economic activities. [2]
- e) “Though most forest based industries do not release any pollutants to the environment but they cause direct deterioration of nature”. Give **THREE** justifications. [3]

Question 7

- a) What is an 'industrial cluster'? [1]
- b) Explain **TWO** importance of 'Tourism industry'. [2]
- c) Draw a diagram to show a circular pattern of settlement. [3]
- d) Give **TWO** examples of financial services provided by Bhutan Postal Corporation Limited. [2]
- e) Write **TWO** consequences of human activities on environment. [2]

Question 8

- a) When was the first National Highway constructed in Bhutan? Name any **TWO** National Highways. [2]
- b) Write down the formula for computing Maternal Mortality Rate. [1]
- c) Why is sex ratio in Bhutan in favour of females? Give **TWO** reasons. [2]
- d) Differentiate between Natural heritage and Cultural heritage. [3]
- e) What according to you are **TWO** threats of the use of cellular phones? [2]

Question 9

- a) Define 'Urban Agglomeration'. Give **ONE** problem associated with it. [2]
- b) Write **TWO** roles played by animals in transportation. [2]
- c) Write down **TWO** measures adopted by Royal Government of Bhutan to conserve nature. [2]
- d) Name the dzongkhags associated with the following sanctuaries [2]
 - I Phipsoo Wildlife Sanctuary
 - II Kholungchu Wildlife Sanctuary
- e) Differentiate between slums and squatter settlement. [2]

Question 10.

- a) What do you understand by sustainable development? [2]
- b) Mention **THREE** demerits of road transport. [3]
- c) Explain **TWO** advantages of using B-mobile. [2]
- d) “Population can be reviewed as an important resource as well as hindrance to the economic growth”. Justify your answer giving **THREE** reasons. [3]

MAP WORK

Question 11.

On the outline map of Bhutan provided

- a) mark with a dot and name the third largest populated dzongkhag. [1]
- b) mark and name the dzongkhag with maximum yield of maize. [1]
- c) mark and name one pig breeding centre in the eastern dzongkhag. [1]
- d) mark and name the largest ginger producing dzongkhag. [1]
- e) write ‘D’ over the place where first diesel electricity was generated. [1]
- f) write ‘S’ over the dzongkhag where slates are extracted. [1]
- g) locate with symbol (↵)Thanbi goenpa. [1]
- h) mark and name one Dzongkhag where yaks are reared. [1]
- i) name the town in eastern Bhutan that was connected with the telecommunication for the first time in Bhutan. [1]
- j) mark and name a habitat of Black-Necked Crane in central Bhutan. [1]

Important instruction: Remove the map from the question booklet and attach it with your answer script.

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Q No. 11

BHSEC – 2011
MAP OF BHUTAN
GEOGRAPHY

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FOR OFFICE USE ONLY – ALTERNATIVE NUMBER:



