GEOGRAPHY

(Three hours and a quarter)

Student Bounts, com (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)

Qu	estion 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. I Palmira II Yusikap III Milyang IV Jonathan	[2]
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]

	Classify urban roads based on their functions and purpose. Distinguish between mass communication and personal communication.	
xi)	Classify urban roads based on their functions and purpose.	Chr
XI)	Classify urban roads based on their functions and purpose.	30
xii)	Distinguish between mass communication and personal communication.	1
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	
Que	estion 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]
Que	estion 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

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Qu	nestion 4	[1] COM
a)	Explain TWO physical factors that determine the types of rural settlement.	CHIL
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 rotationii) High yielding variety seedsiii) Terracing	
d)	Write TWO problems posed by mountains and dense forests in the construction of transport and communication networks.	[2]
Qu	estion 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]
Qu	estion 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

	3	[2] [3]	
Qu	estion 7	CHE	
a)	What is an 'industrial cluster'?	THAT	
b)	Explain TWO importance of 'Tourism industry'.	[2]	on
c)	Draw a diagram to show a circular pattern of settlement.	[3]	1
d)	Give TWO examples of financial services provided by Bhutan Postal Corporation Limited.	[2]	
e)	Write TWO consequences of human activities on environment.	[2]	
Qu	estion 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]	
Qu	estion 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?
- b) Mention **THREE** demerits of road transport.
- c) Explain **TWO** advantages of using B-mobile.
- d) "Population can be reviewed as an important resource as well as hindrance to the economic growth". Justify your answer giving **THREE** reasons.

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 (\(\triangle \)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.

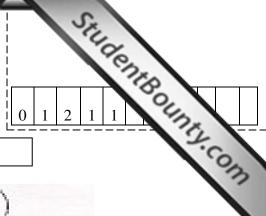
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[3]

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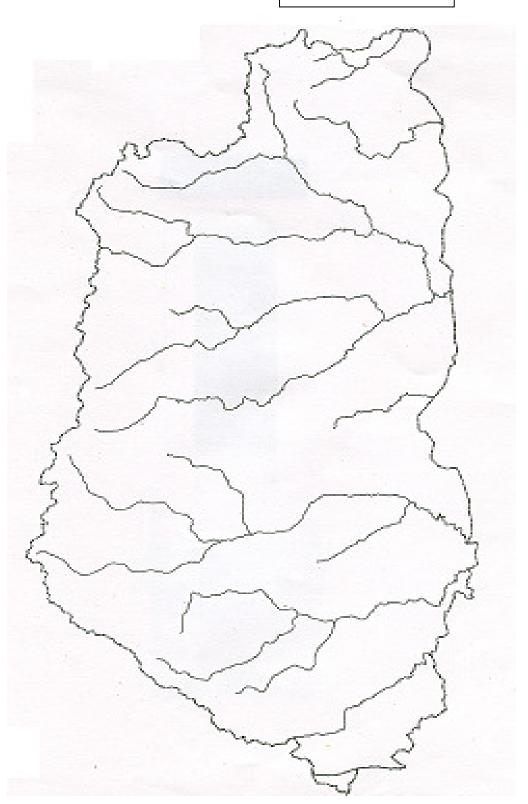
BHSEC – 2011 MAP OF BHUTAN GEOGRAPHY

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