

PART I

Compulsory: To be attempted by all Candidates

Answer each question in the space provided

Question 1

(30 Marks)

i) The Bhutanese agriculture sector has achieved most of its development with the implementation of the Five Year Plans. Name any **TWO** indicators of progress in our agricultural practices. [1]

ii) Women in the reproductive age group is one of the components in calculating the fertility rate. What is meant by the reproductive age group? [1]

iii) Around three hundred households in Rubesa village under Wangduephodrang were provided with electricity from a wind power project in January 2016. List **TWO** advantages of generating electricity from wind power. [2]

iv) Read the excerpt and answer the question that follow: [2]

Tashi, a school teacher is also a Taekwondo trainer. Besides teaching, he is also the coordinator for school agriculture programme.

Which characteristic of the human resource in the civil service is described in the above excerpt?

v) List **TWO** challenges faced by air transport in Bhutan. [2]

vi) How has the creation of Green Belt Zone in the outskirts of Thimphu helped in the management of the city? Write **TWO** points. [2]

vii) The Agriculture Ministry invested Ngulturm 8.00 million between 2014 and 2015 for commercialization of rice in the country. Write **TWO** examples of hybrid rice variety developed in our country. [1]

viii) With reference to the localization of industries, classify the following factors as geographical and non geographical factors: [2]

Transport	Capital	Raw materials	Government Policies
Labour	Power	Banking Facilities	Insurance

	GEOGRAPHICAL	NON GEOGRAPHICAL
1		
2		
3		
4		

ix) Transport efficiency can be measured by using accessibility matrix and index. From the table given below, find out the most accessible and least accessible place with a suitable reason.

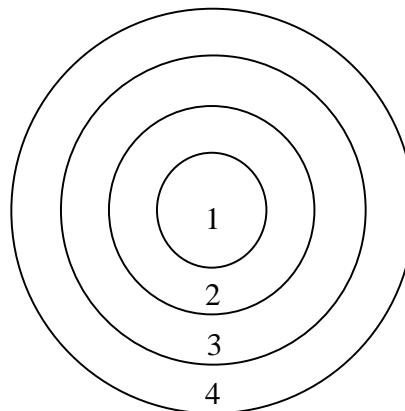
[2]

	Pling	Chukha	Chuzom	Paro	T/Phu	Haa	W/due	Punakha	Tsirang	Accessibility Index
Phuentsholing	0	1	2	3	3	3	4	4	5	25
Chukha	1	0	1	2	2	2	3	3	4	18
Chuzom	2	1	0	1	1	1	2	2	3	13
Paro	3	2	1	0	2	2	1	1	2	14
Thimphu	3	2	1	2	0	2	1	1	2	14
Haa	3	2	1	2	2	0	3	3	4	20
Wangdue	4	3	2	3	1	3	1	1	1	18
Punakha	4	3	2	1	1	3	0	0	2	17
Tsirang	5	4	3	4	2	4	1	1	0	25

x) Goods and Services tax (GST) is an indirect tax charged on the supply of goods and services. GST has been introduced in India to boost their export and limit import. With the implementation of GST in India, Royal Monetary Authority (RMA) has lowered the vehicle loan ceiling to 30% from 50 % in Bhutan. How would this benefit the country? Mention **ONE** impact. [1]

xi) Fertility and mortality rates are the components of population studies. Distinguish fertility rate from mortality rate with a point each. [2]

xii) With reference to the diagram of Concentric Zone theory given below, write **TWO** differences to differentiate zone 1 from zone 4. [2]



xiii) Express Mail Service is the most reliable service to address our needs for delivery of urgent goods and documents within the country and worldwide. Justify the statement with **TWO** reasons.

[2]

xiv) The local residents of Phuntshothang Chiwog are positive about the mining activities in their village. Write **TWO** advantages and **TWO** disadvantages of mining activities for the residents of this chiwog. [2]

xv) Argue for or against the statement that an introduction of a private television channel would be a boon to the public. Give **TWO** justifications. [2]

xvi) Bhutan follows the development philosophy of using resources to meet the present needs without compromising the ability of future generations. Write **TWO** significances of following this holistic approach towards nation's development. [2]

xvii) Some of the prominent issues confronting the tourism industry in Bhutan is the rise in regional tourists as against the drop in international tourists. How can you as an official in the Tourism Council of Bhutan overcome this concern? Write **TWO** measures. [2]

PART II (70 Marks)

Answer any **SEVEN** questions.

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

Question 2

a) (i) Bhutan today is among the top biodiversity hotspots in the world. How many protected areas are there to maintain? **[1]**

(ii) Royal Manas National Park is the habitat for some of our endangered species. Name any **FOUR** of them. **[2]**

b) The rate of youth unemployment in towns such as Thimphu and Phuentsholing are increasing. How would you address this issue? Suggest **THREE** measures. **[3]**

c) The joint sitting of parliament resolved to defer the bill on Bangladesh-Bhutan- India-Nepal transportation agreement that seeks to facilitate seamless cross border movement of passenger and cargo vehicles in the region. List **TWO** merits and **TWO** demerits of this bill. [4]

Question 3

a) According to the labour force survey of Bhutan 2015, economically inactive population is 37% of the country's total working age group. Mention any **TWO** salient features of this population group.

[2]

b) Bhutan celebrated the birth anniversary of Gyelsay by planting 108000 trees in 2016. Explain **FOUR** significances of this event as an important step towards nature conservation.

[4]

c) Limited access to market is one of the biggest challenges for the Bhutanese farmers. Do you agree? Justify your answer with **FOUR** reasons. [4]

Question 4

a) The rugged terrain and limited flat lands in Bhutan have discouraged people from settling together. Consequently, it has led to the development of isolated settlement.

Write any **FOUR** merits of such settlement.

[2]

b) Write **FOUR** differences seen in transfer of information in traditional and modern Bhutanese society.

[4]

c) If you were hired as a consultant to review the tourism policy of Bhutan, what suggestions would you give to improve the tourism policy? Write **FOUR** suggestions. [4]

Question 5

a) List **TWO** significances of Cultural Heritage in the lives of Bhutanese people. [2]

b) From the list of crops provided, find two varieties for each of these crops grown in Bhutan and list them correctly in the appropriate columns given below. [4]

Jonathan Yangtispa T9 Bajo kaap Desiree
Milyang 54 suwan Yusikap Redgold Chumor M27 Barket

Maize	Potato	Apple	Oilseed

c) Do you think community forest is a good strategy to promote Gross National Happiness? Write **FOUR** justifications.

[4]

Question 6

a) Mention any **TWO** important financial services provided by Bhutan Post. **[2]**

b) Twelve months prior to the census, there were a total of 12538 live births and 4489 deaths, with total population of 634982. Calculate the population growth rate. [3]

c) As per the government report, Royal Bhutan Helicopter Service is a profitable business. Do you think the government should continue with it in the long run? Justify your answer with **THREE** points. [3]

d) Industrialization in Bhutan started with launch of first FYP in 1961. Mention any **TWO** advantages of industrial development. [2]

Question 7

a) Bhutan Board Product limited is the largest forest based industry in Bhutan. The company has been given 3000 hectares of forest land. Every year 300 hectares of forest land will be cleared for the company's use. In this context, answer the following questions:

i) Mention any **TWO** major activities of the company.

[1]

ii) Where is BBPL located?

[1]

b) Houses are lying empty and fields fallow in many villages in the eastern region of Bhutan as people migrate to urban areas for better life. Write **FOUR** challenges which the villagers left behind would face. [4]

c) Do you agree that road tunneling would benefit the country? Give **FOUR** justifications. [4]

Question 8

a) Thimphu-Babesa expressway is the only expressway in Bhutan. Mention any **FOUR** features of an expressway. [2]

b) In your opinion, which problem of urbanization do you think is the most challenging one? Justify your answer giving **FOUR** points.

[4]

c) Increasing vehicle population is not only causing traffic congestion but it also adds to green house gas emission in the air.

In line to the above context, suggest **FOUR** measures to control vehicle population. [4]

Question 9

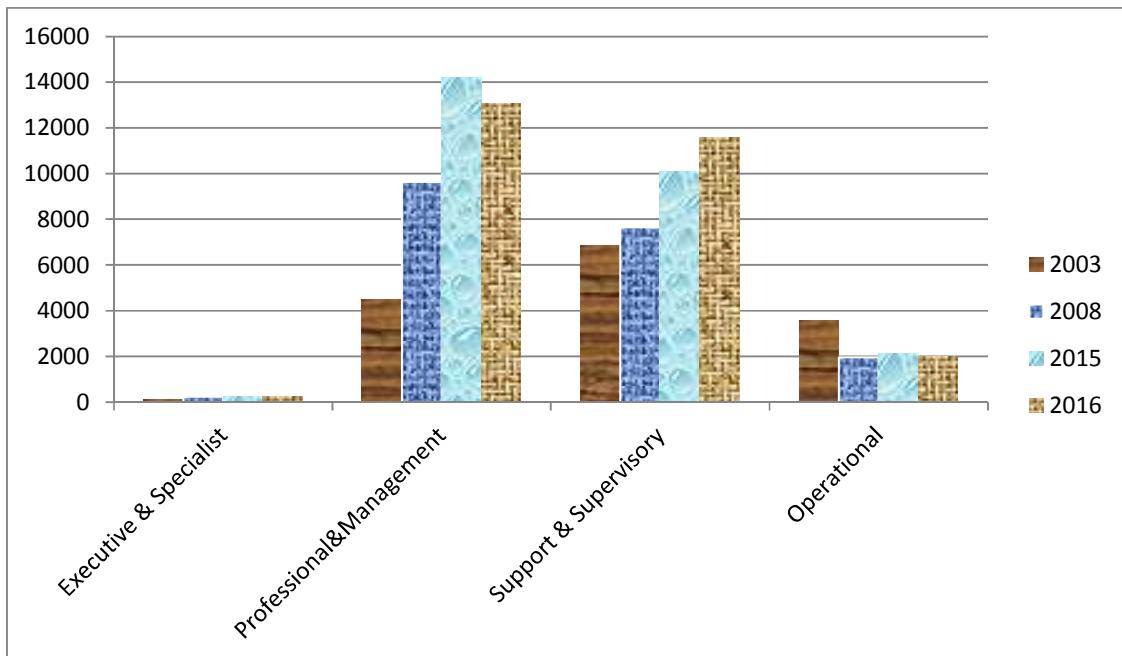
a) i) Mention any **FOUR** factors necessary for the development of hydroelectric power. [2]

ii) Explain any **TWO** significant features of hydroelectric power in our country. [1]

b) The diagram below shows two types of settlement patterns in Bhutan. Compare the features of settlement “A” over settlement “B” giving **FOUR** points. [4]



c) The graph below shows the data on civil servant by position category (2003-2016). List any **THREE** striking features of civil servants with reference to the information given in the graph. [3]



Question 10

a) "Dawa a resident from Zhemgang wants to migrate to Thimphu in search of better job. First, he comes and settles in Trongsa. Later, he moves to Wangdue and stays there for two years. Finally, he moves to Thimphu and settles there".

i) Mention the type of migration explained in the above statement.

ii) In semi-nomadic settlement, people live in tents during some part of the year and move to lower altitudes during the winters and to higher altitudes in summer. Give **TWO** examples of this settlement.

[1]

b) The Royal Government is concerned that economic development has negative impact on the environment. Mention **THREE** environmental impacts caused by economic development.

[3]

c) Do you agree that wearing national dress and following driglam namzha would strengthen peace and sovereignty in Bhutan? Give **THREE** points to support your stand.

[3]

d) If you were the thrompon of Thimphu, what **TWO** strategies would you adopt to solve waste management problem in Thimphu.

[2]

Question 11**[10 x 1 = 10]**

In the outline map of Bhutan provided, **mark** and **name** the following as instructed:

- a) 'HCRB' over the dzongkhag with highest crude birth rate as per PHCB 2005.
- b) 'LLP' over the dzongkhag with least literate population.
- c) 'IT' over the place that has recently developed into industrial town.
- d) 'ARC' over the dzongkhag where Agriculture Research Centre is located in the south.
- e) 'DBP' over the place where Druk Bindu Hydroelectric Power Project is proposed.
- f) 'BIE' over the dzongkhag where Bondeyma Industrial Estate is located.
- g) 'DCP' over the place where Druk Cement Private Limited is located.
- h) Shade the region where new trekking route has been developed in the east.
- i) 'UR' over the dzongkhag with maximum length of urban road.
- j) Shade over the dzongkhag where Royal Botanical Garden is located.

Map of Bhutan

This map is to be used for Question no. 11

