

**SECTION A [25 MARKS]**  
**ANSWER ALL QUESTIONS**

**Question 1**

- a) For each question, there are four responses A, B, C and D. Choose the corresponding letter of your response and **CIRCLE** it neatly. **NO** score will be awarded if you circle more than **ONE** letter. [10]
- i. When the wind causes evaporation from the ocean, this is an interaction between which **TWO** spheres?
- A Atmosphere and Biosphere
  - B Biosphere and Lithosphere
  - C Hydrosphere and Lithosphere
  - D Atmosphere and Hydrosphere
- ii. Bhutan's diverse landscape creates distinct climatic zones. Which of the following zones experiences the hottest temperature and the highest amount of rainfall?
- A The Alpine Zone
  - B The Temperate Zone
  - C The Sub-Alpine Zone
  - D The Sub-Tropical Zone.
- iii. If a family moves out from Bumthang to Paro. The population of Paro increased by 5 people. This change is caused by
- A birth rate.
  - B migration.
  - C death rate.
  - D emigration.
- iv. Schools play a vital role in preservation of culture and tradition. Which of the following are the prominent activities that are carried out in schools for promoting culture and tradition?
- I. Speaking English
  - II. Singing National anthem
  - III. Wearing Kabney and Rachu
  - IV. Chanting grace during meals
- A I and II
  - B II and IV
  - C I and IV
  - D II, III and IV

- v. Which form of government does Bhutan follow?
- A Democratic Republic
  - B Constitutional Republic
  - C Constitutional Monarchy
  - D Democratic Constitutional Monarchy.
- vi. The organisations such as RBP, RENEW, NCWC and DEP provide help and support to people with problems. The term **NCWC** stands for
- A National Committee of Women and Children.
  - B National Commission for Work and Children.
  - C National Committee for Work and Community.
  - D National Commission for Women and Children.
- vii. Following are the negative impacts of hydropower plant **EXCEPT**
- A Clean source of electricity
  - B Damage to wildlife habitats
  - C Destruction of natural forest
  - D Change in the surrounding landscape.
- viii. The type of flood that occurs when a glacial lake overflows or the dam fails to hold the water is
- A Flash flood
  - B Monsoon flood
  - C Groundwater flood
  - D Glacial lake outburst flood.
- ix. A farmer cultivates land, looks after cattle and collects wild fruits from the forest. These activities can be classified under
- A secondary activity.
  - B primary activity.
  - C tertiary activity.
  - D service activity.

x. The most common gadget used by people of all ages in Bhutan is



I- Mobile phone



II-Laptop



III -Radio



IV-Telephone

Source: Google

- A IV
- B III
- C II
- D I

### Question 1b

Fill in the blanks with the appropriate word(s).

[5]

i. The spinning of the earth on its axis is called _____.	
ii. The climate becomes cold as _____ increases.	
iii. Buying of goods and services from other countries is called _____.	
iv. The total number of people living in a specific area is called _____.	
v. The burning of fossil fuels releases carbon dioxide, a major greenhouse gas, leading to _____ warming.	

**Question 1c**

Match each item in column A with the most appropriate item in column B. Write the correct letter in the space provided in the 'Answer' column.

[5]

Column A	Column B	Answer
i. The outermost layer and the solid surface of the earth is	a. Nyes	i. ....
ii. The branch of government that interprets and protects laws made by the legislature.	b. Pregnancy	ii. ....
iii. Sacred sites visited and blessed by Guru Rinpoche, Zhabdrung Rinpoche and Tertonpas are known as	c. Air Transport	iii. ....
iv. Using contraceptives and avoiding sexual activities prevent	d. Water transport	iv. ....
v. Transport of people and goods by airplanes and helicopters is	e. Water Transport	v. ....
	f. Lithosphere	
	g. Hydrosphere	
	h. Judiciary	

**Question 1d**

Write TRUE or FALSE for the following statements in the space provided in the 'Answer' column.

[5]

Statement	Answer
i. Weather refers to the short-term atmospheric conditions like temperature, rain and wind.	
ii. Planets and satellites are held around by the gravitational force of the Sun.	
iii. Lightning is a man-made electrical discharge of high voltage that exist for a short duration in the atmosphere.	
iv. Human activities are generally determined by climatic conditions of a place.	
v. The change in population due to migration is a natural change.	

**SECTION B [25 MARKS]**  
**ATTEMPT ALL QUESTIONS**

**Question 2**

- a) What is the name of the imaginary line that divides earth into the Northern and the Southern Hemispheres? **[1]**


- b) The earth's axis is tilted at 23.5°. What would happen if the axis is not tilted? Write any **TWO** impacts. **[2]**


- c) The general climatic conditions in Bhutan are categorised into four zones. Which climatic zone would you prefer to live in? Give any **TWO** reasons. **[2]**


**Question 3**

- a) Write **ONE** difference between weather and climate. **[1]**

<b>Weather</b>	<b>Climate</b>	

- b) The growth of population has increased the need for resources which has led to environmental degradation. Write any **TWO** ways to protect the environment. **[2]**


- c) If you were a cultural officer in one of the Dzongkhags, what would you do to promote and preserve our culture? Provide any **TWO** suggestions. **[2]**


**Question 4**

- a) Democracy is a form of government in which people choose their representative or leader through election. What kind of person should you vote for to represent your community in the parliament? **[2]**


b) Study the table below to answer questions i. and ii.

Dzongkhag	Area (Sq. Km)	Population	Density (Population per km <sup>2</sup> )
Bumthang	2717	17820	7
Chhukha	1880	68966	37
Dagana	1723	24965	14
Gasa	3118	3952	1
Haa	1905	13655	7
Lhuentse	2859	14437	7
Mongar	2859	37150	13
Paro	1293	46316	36
Pemagatshel	1030	23632	23
Punakha	1110	28740	26
Samdrup Jongkhar	1878	35079	19
Samtse	1305	62590	48
Sarpang	1946	46004	24
Thimphu	2067	138736	67
Trashigang	3066	45518	15
Trashigang	1438	17300	12
Trongsa	1807	19960	11
Tsirang	639	22376	35
Wangdue Phodrang	4308	42186	10
Zhemgang	2421	17762	7
<b>Total</b>	<b>38394</b>	<b>727,145</b>	<b>19</b>

*Source: PHCB, NSB*

i. Which Dzongkhag has the highest population in Bhutan?

[1]


ii. Give **ONE** reason for having the highest population in the dzongkhag?

[1]


- c) What **ONE** improvement would you make in transportation system of your Gewog if you were elected as the Gup? **[1]**


**Question 5**

- a) Newspaper, radio, telephone, television, internet and mobile are some means of modern communication. Write **ONE** form of communication used by the people in the past. **[1]**


- b) Corruption leads to misuse of power and public resources that bring disharmony in the society. Mention any **TWO** measures to prevent corruption. **[2]**


- c) Classify the following impacts and measures under each heading. **[2]**

Deforestation	Landslide	Plantation	Cleaning dam
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Impacts	Measure	

**Question 6**

- a) Why do people of Lunana use helicopter services to transport their goods? Give **ONE** reason. **[1]**


- b) A farmer collects fruits from the garden and then makes mixed pickles. Which one of the activities is secondary activity and why? [2]


- c) Name the hazard shown below and write any **TWO** safety measures. [2]



Source: Google






