



Trial Examination-2022
Chumey Higher Secondary School
Bumthang; Bhutan



Subject: Geography

Full Marks: 80

Class: VIII INDEX _____

Time: 2 hours

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. There are **nine** questions in this paper. You must answer **all** the questions.
2. There are **eleven** pages in this question paper.
3. Answers to **all** the questions must be written neatly in the space provided.
4. Do not write during the first **fifteen** minutes. This time is to be spent on reading the questions.
5. You will have **two** hours to answer all the questions.

SECTION A [30 MARKS] ANSWER ALL THE QUESTIONS

Question 1

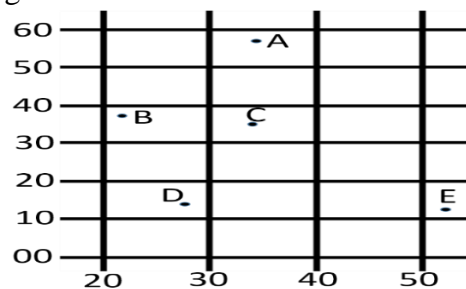
(15 marks)

For each question, there are four alternatives: A, B, C, and D. Choose the most correct alternative and CIRCLE it. Do not CIRCLE more than ONE alternative. If there are more than ONE choice CIRCLED, NO score will be awarded.

- i. There are 360⁰S of longitude. What is the standard longitude to calculate time for Bhutan?

A. 88 ⁰ E longitude.	C. 88 ⁰ W longitude.
B. 90 ⁰ E longitude.	D. 90 ⁰ W longitude.
- ii. Pema is a grade VIII student studying in Chumey Central School. While attending geography class, his geography teacher provided two different statement as follows
 Statement 1: Samtse is warmer than Bumthang.
 Statement 2: People living in Samtse grow paddy whereas people living in Bumthang grow wheat.
 Which statement is correct regarding the altitude as a controlling factor of climate?

A. Statement 1.	C. Both 1 and 2 are correct.
B. Statement 2.	D. Both 1 and 2 are incorrect.
- iii. What is the four figure grid reference for letter B?



- | | |
|----------|----------|
| A. 20 40 | C. 40 20 |
| B. 30 30 | D. 20 30 |

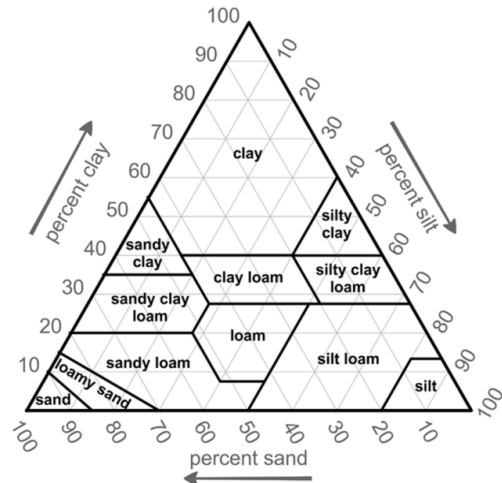
- iv. Phuntsho is planning to travel from Bumthang to Thimphu. He wants to find out the driving distance between the two places. Therefore, he brought a transport map of Bhutan to calculate the driving distance and found that the road distance was 271 km.

In the scenario above, which element of a map is used by Phuntsho?

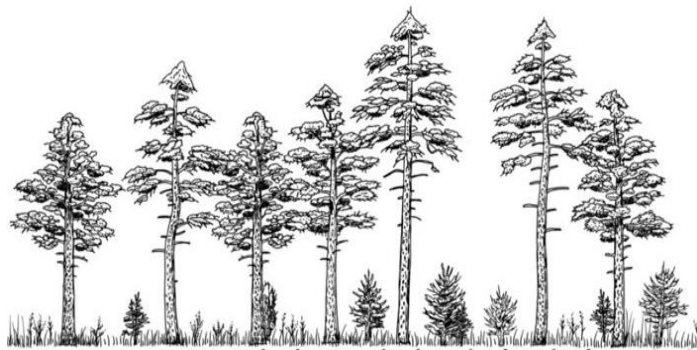
- A. Title
 B. Scale
 C. A key
 D. North direction

- v. In order to study the soil texture, Karma collected a soil sample from his garden. After measuring the content of sand, silt and clay in his soil sample, he concluded that his garden has loam soil. From the following, which one of the following is Karma's soil sample?

- A. Sand-50%, Silt-30%, and Clay-20%
 B. Sand-30%, Silt-20%, and Clay-50%
 C. Sand-60%, Silt-20%, and Clay-20%
 D. Sand-40%, Silt-10%, and Clay-50%



- vi. The picture below is a type of forest found in Bumthang. Identify the type of forest shown in the picture.



- A. Coniferous forest.
 B. Temperate deciduous forest.
 C. Tropical rainforest.
 D. Sub-tropical forest.
- vii. From the following, select a disaster management stage where it deals with immediate reaction during and after disaster to minimize the impact of disaster.
- A. Preparedness
 B. Response
 C. Recovery
 D. Mitigation
- viii. From the following evaluate which measure is more effective in controlling rural to urban migration.
- A. Reduce rural to urban migration by making strict laws.
 B. Create economic opportunities in rural areas.
 C. Encourage youths to stay in the village.
 D. Provide rural incentives.

ix. From the figure given below (A, B, C and D), identify the human induced disaster.



A. D

C. B

B. C

D. A

x. What are some of the problems associated with clustered settlement?

I. Poor sanitation

III. Social problem

II. Waste disposal problem

IV. Noise pollution

A. I, II and III

C. I, II and IV

B. I, III and IV

D. I, II, III and IV

xi. Degradation of the natural environment has numerous consequences. Following are the consequences of environmental degradation EXCEPT:

A. Exhaustion of natural resources

B. Extinction of animal species

C. Sustain natural resources

D. Loss of animal habitat

xii. Environmental degradation is happening all over the world in order to fulfill the needs and wants of the people. From the following, choose the best alternatives that provide better options for environmental conservation.

I. Use of alternative sources of energy

II. Planting trees

III. Educating people

IV. . Recycling waste

A. I, II and III

C. II, III and IV

B. I, II and IV

D. I, II, III and IV

xiii. Following are the three main works of a river, EXCEPT

A. Erosion

C. Deposition

B. Transportation

D. Degradation

- xiv. Predict what would happen if rivers are polluted.
 - A. Provide safe environment for marine life.
 - B. Marine animals can thrive.
 - C. Affect river ecosystem.
 - D. Safe for drinking.
- xv. Following are the consequences of air pollution, EXCEPT:
 - A. Helps to keep our planet cooler.
 - B. Accelerate global warming.
 - C. Affect the growth of crops.
 - D. Affect human health.

Question 2

(5 marks)

Fill in the blanks by writing the suitable word (s). (1x5=5)

- i. Torrid Zone is the hottest zone whereas _____ is the coldest.
- ii. A close contour indicates _____ landform.
- iii. Richter scale is used to measure _____ of an earthquake.
- iv. Rivers in Bhutan are mostly in its _____ stage.
- v. Ozone is found in _____ layer of the atmosphere.

Question 3

(5 marks)

Match each item under Column A with the items in Column B. Rewrite the correct pairs. (1x5=5)

Column A		Column B	
I	Scale	A	Activities to reduce the effect of disaster
II	Climate	B	Lowest % of air in the atmosphere
III	Mitigation	C	Removal of materials
IV	Erosion	D	Use to measure distance
V	Nitrogen	E	Activities to reduce the risk
		F	Highest % of air in the atmosphere
		G	Average state of weather
		H	Day to day atmospheric condition

Column A	Column B
I	
II	
III	
IV	
V	

Question 4

(5 Marks)

Read the following statements carefully and state true or false. (1x5=5)

- i. A hill is shown with a circular contour line. _____
- ii. Settlement found along the road is called a linear settlement. _____
- iii. Jungwa Zhi are also referred to as biotic components. _____
- iv. Epicenter is a point on the Earth's surface vertically above the focus. _____
- v. All weather phenomena occur in the stratosphere layer of the atmosphere. _____

SECTION B (40 MARKS) ATTEMPT ALL THE QUESTIONS

Question 5

(10 Marks)

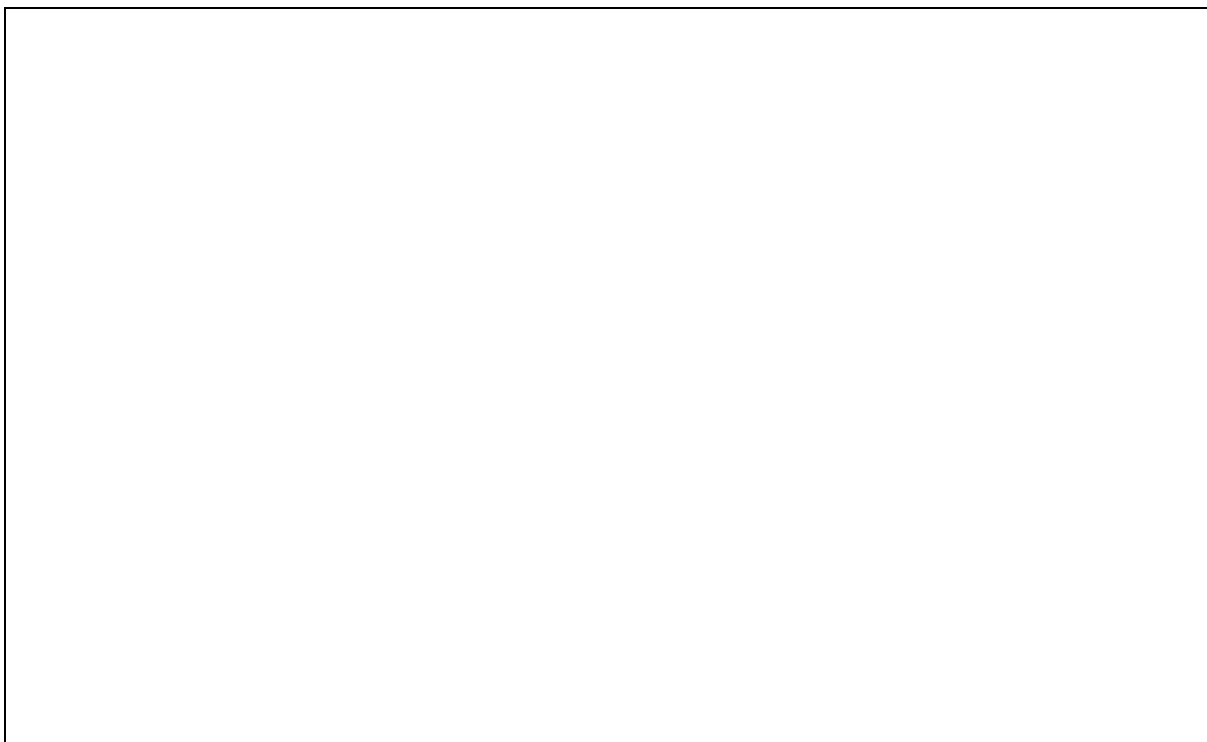
- i. Both altitude and direction of the mountain range affects the climate of a place. Which factor do you think influences the climate of Bumthang more? Choose one and explain. (2)

- ii. Predict what would happen if the lines of latitude and longitude are not there. (2)

- iii. Draw a contour line representing a steep slope and a hill. (2)



- iv. Design a poster to create an awareness on reducing the risk of earthquake disaster. (4)



Question 6

(10 Marks)

- i. Managing natural resources is important for the sustainability of the resources. Write three strategies to conserve natural resources. (3)

- ii. Physical features or geography of the place is responsible for the development of unique tradition and culture in a particular place. Analyse how physical features influenced the agricultural practices in Bumthang. (3)

- iii. What would happen if too many natural resources are exploited by humans? Mention two consequences. (2)

- iv. State what would happen if rivers dries up due to climate change. State any two consequences. (2)

Question 7

(10 Marks)

- i. What is the function of (1.5x2=3)

<i>a. Dust particles:</i>
<i>b. Water vapour:</i>

- ii. Which stage of a river is common in Bhutan? Give reasons to support your answer. (3)

- iii. Draw a labelled diagram of a food chain. (3)

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- iv. Draw a diagram showing dispersed and clustered settlement patterns. (1)

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Question 8

(10 Marks)

- i. When it is 10 AM in Bhutan, what will be the time at a place X located at 30°E ? (2)

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- ii. What would happen if you lack skills in reading the map scale? (1)

- iii. Convert the Statement Scale 1cm on the map=2 km on the ground to Representative Fraction. (2)

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- iv. What are the advantages and disadvantages of using renewable energy? (2)

Advantage	Disadvantage

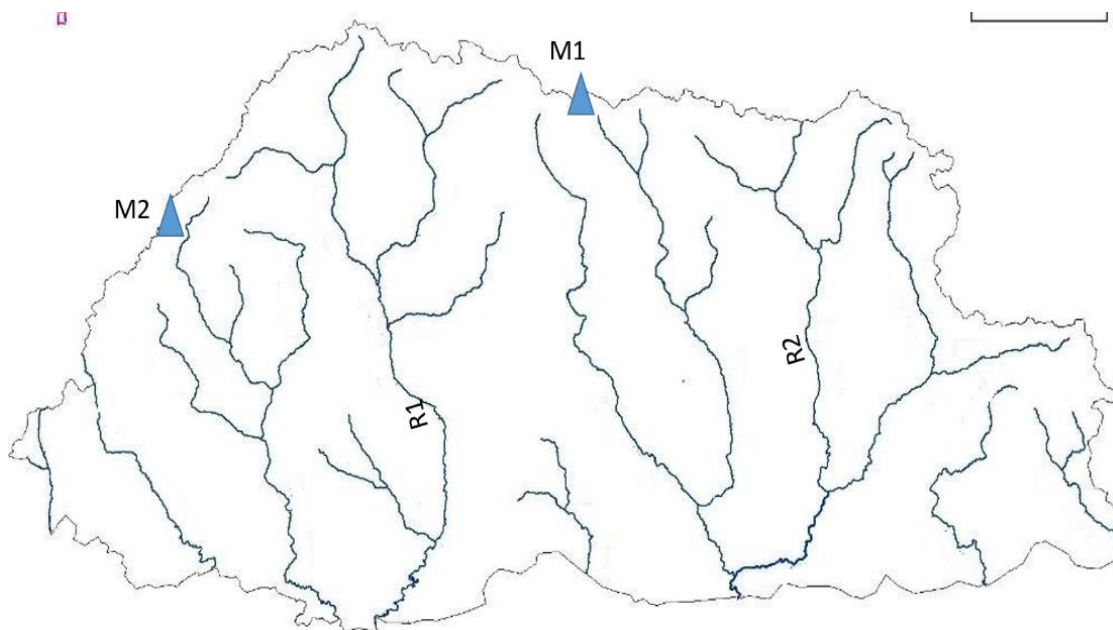
- v. What are the consequences of volcanoes? Mention at least three negative consequences of volcanoes. (3)

SECTION C (10 MARKS) ANSWER ALL THE QUESTIONS

Question 9

(5+5 Marks)

- A. Use an outline map of Bhutan and mark according to the instructions.
- Name the mountains M1 and M2.
 - Name the rivers R1 and R2.
 - Mark with a thick dot (.) and name Gasa and Lhuentse.
 - Shade (////) over a densely populated dzongkhag and (.....) over a sparsely populated dzongkhag.
 - Mark with (X) and name Dochula and Thrumshengla.



- B. Use an outline map of Asia and mark according to the instructions. (5)
- i. Mark with (.) and name Indonesia, Malaysia, Philippines and Thailand.
 - ii. Name the rivers marked Indus and Hwang Ho.
 - iii. Mark with a dot (.) and name Singapore and Colombo.
 - iv. Shade with thick line and name Kunlun and Yoma.

