



Chumey Higher Secondary School
Bumthang Dzongkhag
Annual Examination: 2022



Class: IX (Nine)

Subject: GEOGRAPHY (HCG-II)

Index Code: _____

Total Marks: 80

Time: 2 ¼ Hours

INSTRUCTIONS

- ✓ The first 15 minutes of the time will be spent reading.
- ✓ There are four sections A&B. Section A consist of FOUR parts.
- ✓ Part I- Topography, Part II- Map work, Part III-Fill in the blanks & Part IV- Multiple Choice Questions.
- ✓ Section A is COMPULSORY questions. It carries total of 40 marks.
- ✓ Section B consist of SIX questions, attempt any FOUR questions from the total of six questions. Each question carries 10 marks.

SECTION A: COMPULSORY QUESTIONS

Part 1: TOPOGRAPHY (15 MARKS)

Question 1. Study the extract of the survey Map of Bumthang, No. 781/14 and answer the following questions.

- a) What is a Topographical map? (1)

- b) What is the statement scale of the map that you are using? (1)

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- c) Identify the conventional signs and symbols below. (3)

- d) Explain the type of settlement of Wangchukling. (2)

e) What is the six-figure grid reference of Bebzur Lhakhang? (2)

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f) What is the four-figure grid reference of Jakar Dzong? (1)

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g) What is the RF of the map? Explain Representative Fraction in your own words. (2)

h) Write two features of a perfect map. (1)

i) Find the distance between Kuenzangdag Lhakhang and Choksi Lhakhang in Kilometers. (2)

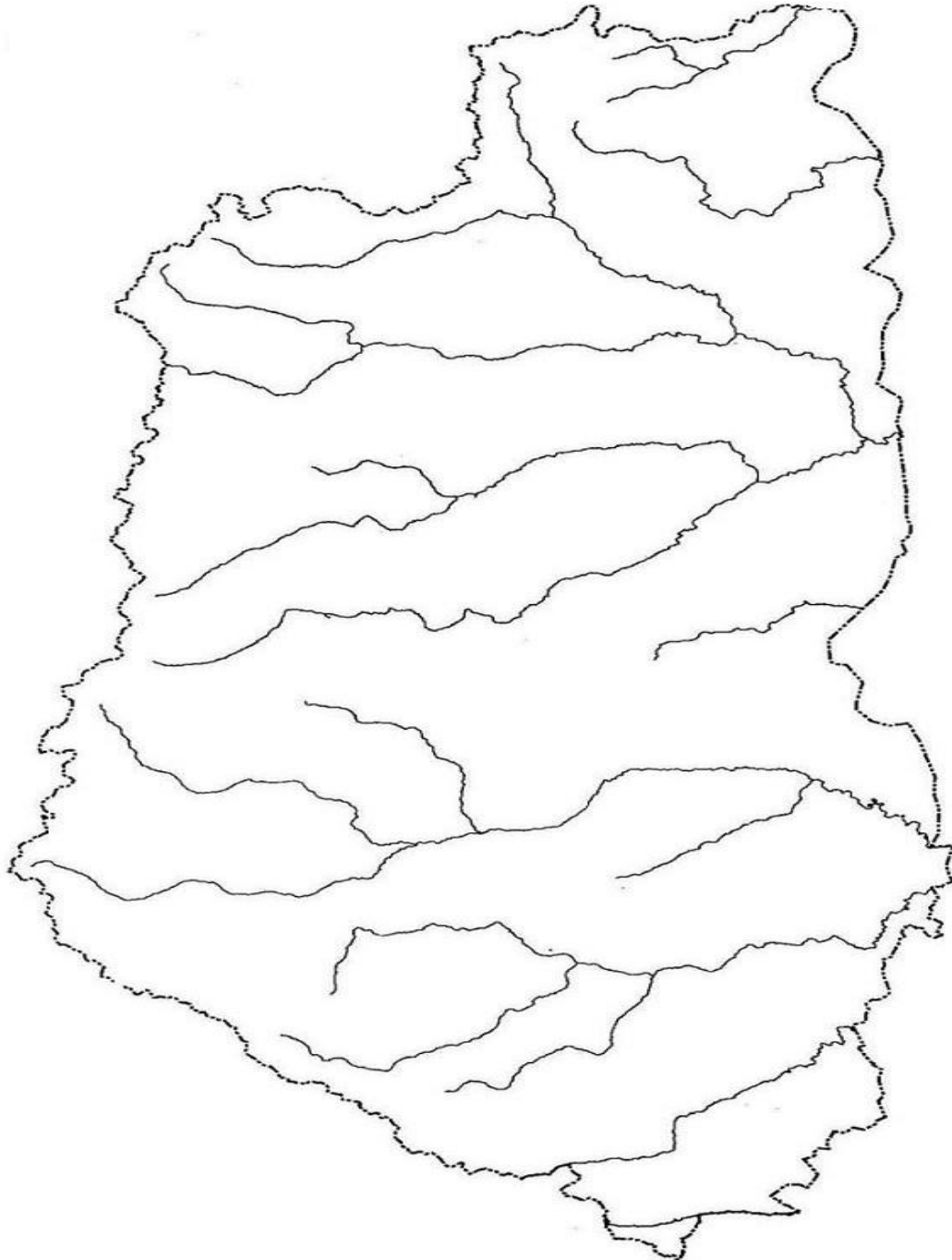
PART 2: MAP WORK

(5 marks)

1. In the outline map of Asia provided:
 - a) Mark with a dot(.) and name Nepal, India and Bangladesh. (1.5)
 - b) Draw ▲ and name the mountains of Urals and Khingan. (1)
 - c) Name the rivers Ob and Hwang Ho. (1)
 - d) Write CS (Caspian Sea), SC(South China Sea) and YS (Yellow Sea) in the map. (1.5)



- 1) In the outline map of Bhutan provided: (5 marks)
- a) Mark with a dot(.) and name Tashichhoe Dzong and Wangduephodrang Dzong.
 - b) Draw ▲ name Gangkar Puensum and Tsenda Gang.
 - c) Mark with thick lines and show the rivers Punatsang Chhu, Mangde Chhu and Kuri Chhu.
 - d) Draw X and show the passes Dochula, Thrumsengla and Yotongla.



PART 3: Fill in the blanks

(1*5= 5 marks)

- i. The formula for Arithmetic density of population is _____.
- ii. A _____ is a very steep and narrow valley and is also termed as Canyon.
- iii. The Penden Cement Plant is located at _____.
- iv. Movement of the earth on its axis is called _____.
- v. The boundary between thermosphere and exosphere is known as _____.

PART 4: MULTIPLE CHOICE QUESTIONS

(10 marks)

Direction: Circle the appropriate answer

- 1) The composition of atmosphere that defend the inhabitants of the living planets from the harmful rays is
 - i) nitrogen
 - ii) ozone
 - iii) other gases
 - iv) aerosols
- 2) The Earth is about _____ kilometers away from the sun.
 - i) 120
 - ii) 160
 - iii) 150
 - iv) 180
- 3) The type of soil which is most favorable to grow the crops like wheat, maize, pulses and barley is
 - i) mountain soil
 - ii) meadow soil
 - iii) alluvial soil
 - iv) brown soil
- 4) Lateral erosion is also known as
 - i) headward erosion
 - ii) sideward erosion
 - iii) vertical erosion
 - iv) diagonal erosion
- 5) _____ is a graphical illustration that shows the distribution of male and female within different age groups in a population.
 - i) Population pyramid
 - ii) Distribution
 - iii) Hierarchy of settlement
 - iv) Population system
- 6) The science that studies the shape and size of the earth is
 - i) geodesy
 - ii) osteology
 - iii) geoscience
 - iv) pedology
- 7) The main source of energy on the earth is from
 - i) water
 - ii) food
 - iii) soil
 - iv) sun
- 8) In a farming system: labour, capital and fertilizers are examples of
 - i) processes
 - ii) feedback
 - iii) inputs
 - iv) output
- 9) The most common disaster in Bumthang is
 - i) flood
 - ii) earthquake
 - iii) fire
 - iv) windstorm

10) The rotation of earth causes

- i) revolution
- ii) Coriolis force

- iii) seasons
- iv) equinox

Section B: 40 Marks
Answer ANY FOUR questions

Question 5

- a) Briefly describe the dominant farming system in Bhutan? (2)

- b) Draw a neat diagram of Hydrological cycle and explain it. (3+3)

- c) Explain any two common disasters in Bhutan. (2)

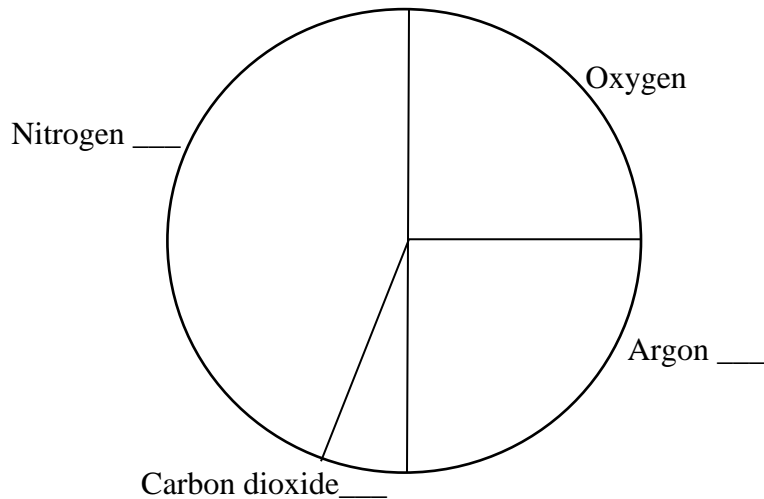
Question 6

- a) Elaborate on any THREE landforms formed in upper stage of the river. (6)

b) Illustrate the Disaster Management Cycle. (4)

Question 7

a) The following pie diagram is the Composition of Atmosphere. Fill in its percentage (2)



b) Write any two ways of Transportation by rivers. (2)

c) Soil conservation is a process of preventing soil degradation. What are the methods to conserve soil? (3)

d) What are the abiotic components of ecosystem? (3)

Question 8

a) Differentiate the following: (2*5=10 marks)

i. Latitude and longitude

Latitude	longitude

ii. Lateral erosion and Vertical Erosion

Lateral erosion	Vertical Erosion

iii. Biotic and abiotic components of ecosystem

Biotic components of ecosystem	abiotic components of ecosystem

iv. Subsistence farming and commercial farming

Subsistence farming	commercial farming

v. Arithmetic density of population and physiological density of population

Arithmetic density of population	physiological density of population

Question 9

a) Mention FOUR importance of soil. (2)

b) Why has the settlement changed? Give three reasons. (3)

c) If it is 6am in Bhutan, what will be the time at place X which is at 60°E? (2)

d) Who is the father of Geography? (1)

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e) List any four factors affecting the soil formation. (2)

Question 10

a) Draw and explain any two weather instruments. (4)

b) With the help of diagram, explain the hierarchy of settlement. (6)
