

SECTION A

Compulsory: To be attempted by all Candidates.

Question 1

Study the extract of the survey of Bhutan map No.78M/11 and answer the following questions:

- a) What is the unit in which the height is given in the map provided? [1]

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- b) What does the scale 1:50,000 mean? [1]

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- c) Why are contour lines thickened at regular intervals in the toposheet? [2]

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d) What relief feature is depicted by the contour lines in the grid square 6020? Give a reason to support your answer. [2]

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e) Which is the most prominent pattern of settlement in the grid-square 5060? Why? [2]

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f) Choose the correct answer from the alternatives given.

The crow fly distance between the Lhakhang in grid-square (6030) is [2]

- A 6 km.
- B 8 km.
- C 12km.
- D 15 km.

Answer :

g) At what altitude is the Lhakhang in Bidung located? [2]

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h) What is the compass direction of Bidung from Dhezhuling? [1]

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i) What type of drainage pattern is formed around the spot height (·2560)? [2]

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SECTION B

*Attempt any **two** questions from this section*

Question 2

a) (i) What are the two large land masses which do not have the tapering shape? [1]

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(ii) Which eclipse proves that the earth is spherical? [1]

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b) (i) Give any **TWO** proofs to show that the earth rotates from west to east. [2]

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(ii) Why is there no season on the equator?

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c) Choose the correct answer

i) The complete network of meridians and parallels is [1]

- A Earth grid.
- B Earth Axis.
- C Arctic Circle.
- D Great Circle.

Answer :

(ii) On which date does the tropic of cancer experience the longest day? [1]

- A March 22
- B June 21
- C September 22
- D December 23

Answer :

d) Calculate the longitude of the place 'X' whose local time is noon, when GMT is 14 hours. [2]

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Question 3

a) (i) Why is rubber tapping considered a skilled job? [1]

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(ii) "Cocoa Production, more than anything else, has dominated Ghana's economy".
Support the statement with **TWO** reasons. [2]

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b) What changes are expected to occur in the near future in the life of the Masai? Why? [2]

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c) (i) What is "Pastoral Nomadism" ?

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(ii) Why is there a great diurnal (daily) range of temperature in the hot deserts? [2]

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d) (i) What is "Market Gardening" ? [1]

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(ii) How are olive fruits harvested? [1]

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Question 4

I. Fill in the blank:

a) The temperate grass lands are known as [1]
in North America.

b) “The whole structure of the coniferous tree is a marvelous adjustment to the environment”. Mention any **TWO** adaptations in support of the above statement. [2]

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c) What are the advantages of raising fur animals on farms? [2]

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d) Mention **THREE** prominent modern developments in the life of Eskimos.

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e) Write **TWO** aspects of the climate of the Prairies which favour wheat growing. [2]

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SECTION C

*Attempt any **three** questions from this section.*

Question 5

a) (i) What is nucleated settlement ? [1]

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(ii) State **TWO** reasons for keeping the live stocks in the ground floor of nuclear settlement. [2]

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(iii) What is Threshold Population? [1]

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b) (i) Write the **THREE** assumptions made in Central Place Theory. [3]

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(ii) How do you think we can reduce rural – urban migration? [1]

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c) What are the draw backs of mixed farming in the long run? [2]

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Question 6

a) (i) What is transhumance? [1]

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(ii) Why are the yak herders not nomadic in reality? [2]

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b) (i) How do you think cooperative marketing services will be applicable to our farms in Bhutan ? [2]

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(ii) Differentiate between commercial and subsistence farming. [2]

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c) (i) What are Pre-modern industries ? [1]

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(ii) Why were the small manufacturing units dispersed throughout the country?

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Question 7

a) (i) What is manufactured in BBPL at Tala ? [1]

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(ii) If you are establishing an industry, what are the factors that you'll take into consideration? [2]

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(iii) List the possible reasons for the uneven distribution of industries. [2]

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b) List any **TWO** advantages of the method used to light houses in the olden days. [2]

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c) Distinguish between hydroelectricity and thermal electricity. [2]

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d) Fill in the blanks:

The two main elements of transportation network are
and

Question 8

a) (i) Mention **TWO** important mass media in our country. [1]

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(ii) In what way does communication help trade? [2]

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b) Why is the use of bio-gas not feasible for settlements above 1000 meters? [1]

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c) From the list given below, arrange the following in the correct sequence: [3]

tail race tunnel, turbine, diversion dam, penstock, desilting chamber, head race tunnel

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d) Write any **TWO** benefits and two drawbacks of spatial interaction in our world today. [2]

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e) Mention **TWO** measures to prevent “Green house Effect”. [1]

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Question 9

a) (i) What is meant by carrying capacity of the earth ? [2]

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(ii) How do people degrade the natural environment? [2]

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b) What would be the state of information flow if it is spread only from person to person? [2]

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c) Write any **TWO** advantages that small families have in the modern world. [2]

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d) "Population is the main threat to natural environment". Comment on it. [2]

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SECTION D

Compulsory: To be attempted by all candidates.

Question 10

In the outline map of Asia provided, mark the following features as instructed: [$\frac{1}{2} \times 10 = 5$]

- Mark with thick lines and name the mountain ranges Zagros and Urals.
- Name the rivers Lena and Euphrates.
- Shade and name the South China Sea and the Sea of Japan.
- Shade and name Northern Lowlands and Armenian Knot.
- Mark with thick dots and name Thailand and Brunei.

Question 11

In the outline map of South Asia provided mark the following features as instructed. [$\frac{1}{2} \times 10 = 5$]

- Shade and name the mountain ranges Pamirs and Karakoram.
- Name the rivers Narmada and Ganga.
- Mark with thick dots and name Dhaka and Delhi.
- Shade and name the Thar Desert and the Deccan plateau.
- Mark with thick lines and name the Garo Hills and the Aravalli Hills.

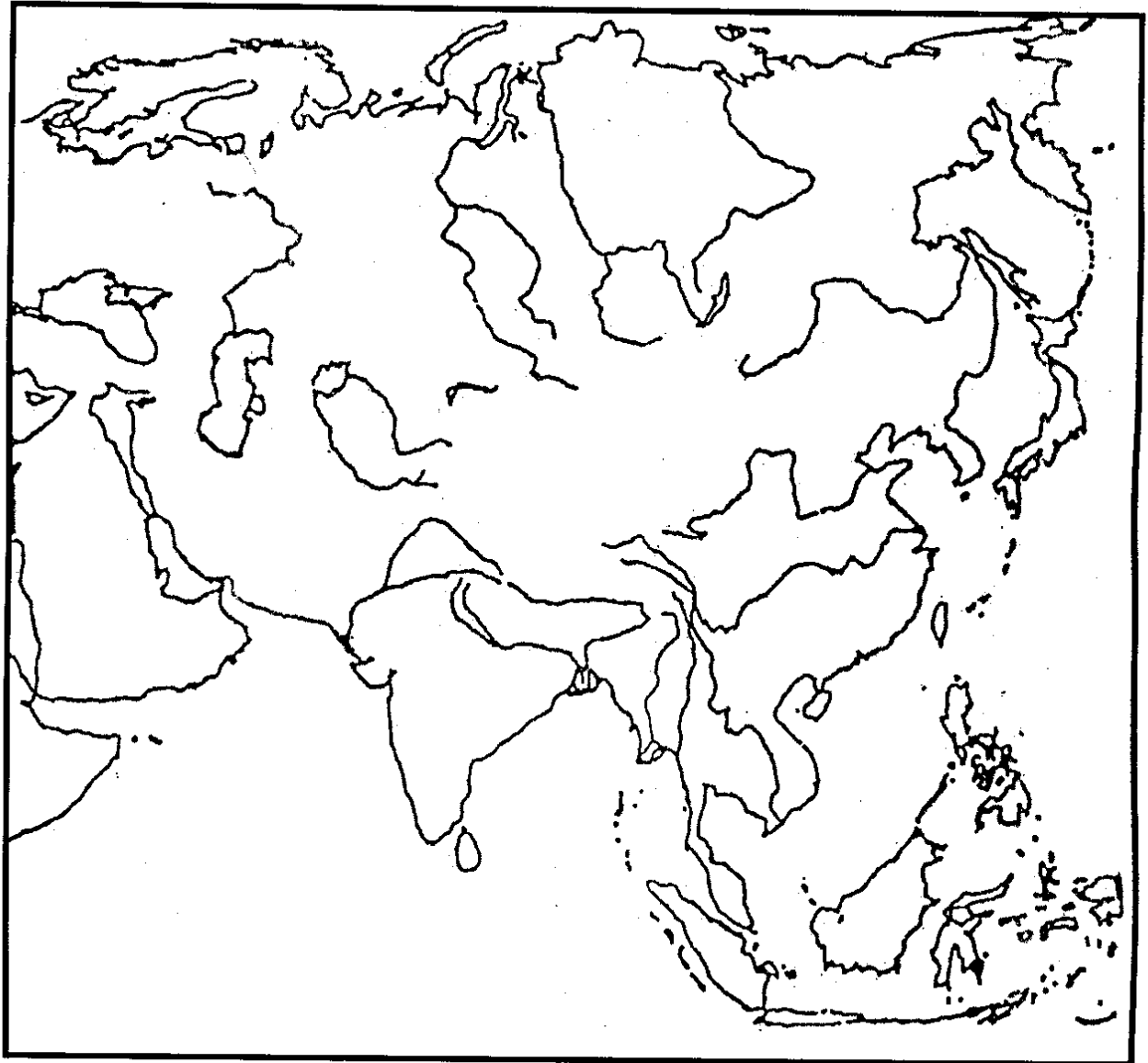
Question 12

In the outline map of Bhutan provided mark the following features as instructed. [$\frac{1}{2} \times 10 = 5$]

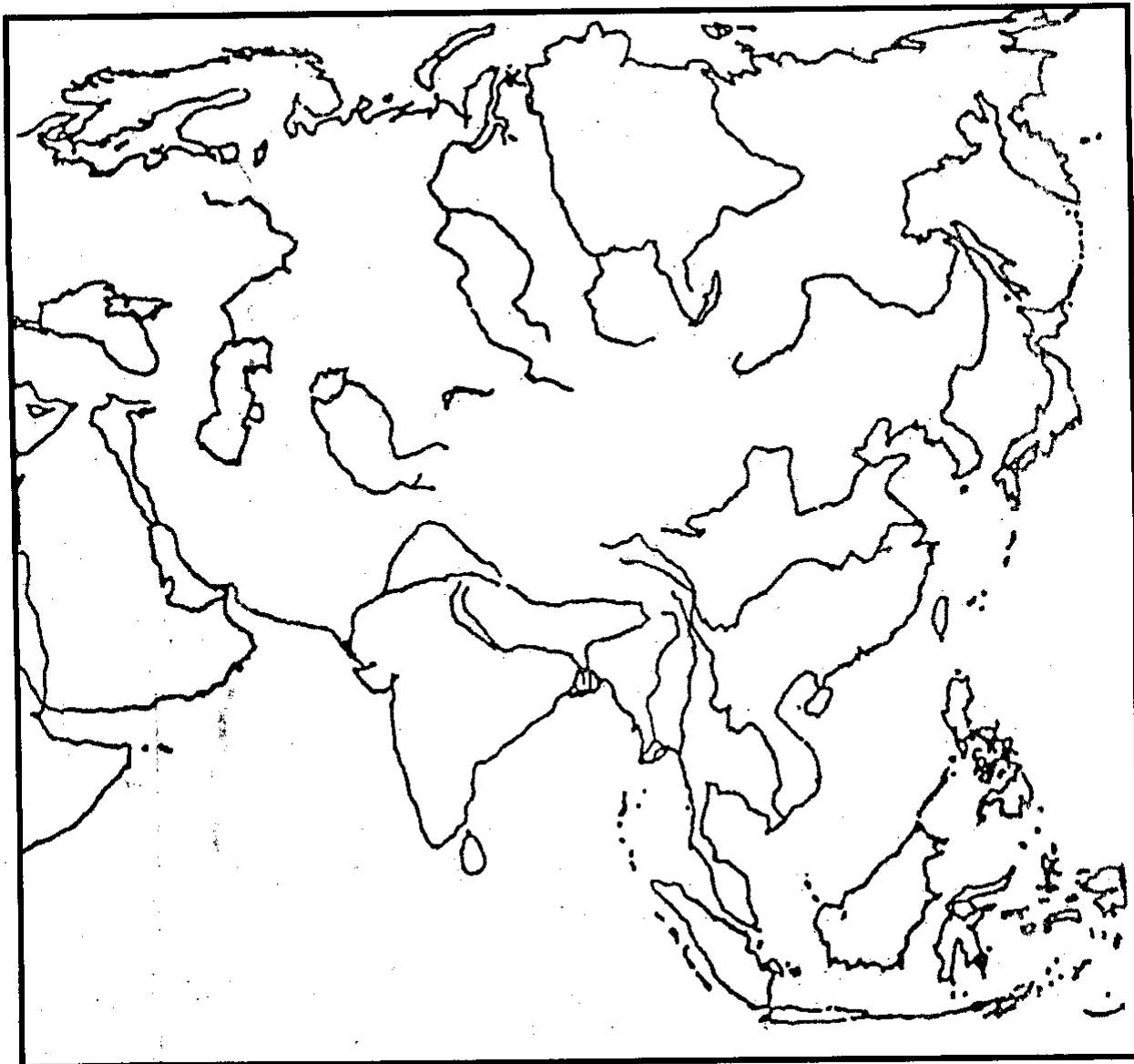
- Mark with a triangle (Δ) and name Tsenda Gang and Jomolhari.
- Name the rivers Mangde Chhu and Kulong Chhu.
- Mark "M" over Mela and "Y" over Yutongla.
- Mark with a thick dot and name Damphu and CHPC at Chukha.
- Mark LD over Lhuntse Dzong and GD over Gasa Dzong.

for Rough Work

Map of Asia



Map of South Asia



Map of Bhutan

