

MOTITHANG HIGHER SECONDARY SCHOOL
MID-TERM EXAMINATION 2017
THIMPHU THROMDE

Time:2hrs

Full Marks:80

Read the following directions carefully:

1. Attempt NINE questions. Section A and D are compulsory. Attempt 2 questions from Section B and 3 questions from section C.
2. The intended marks for questions or parts of questions, are given in brackets.

Section A (compulsory: To be attempted by all candidates)

Question 1.

Study the extract of the survey of Bhutan map number 78 E/11 and answer the following questions:

- a) Convert the statement scale of the map provided into RF. [2]
- b) Draw the symbol for the following: [1]
 - i. Cliff
 - ii. Pass
- c) Distinguish the drainage pattern formed in the grid square 1080 and 8040. [2]
- d) Calculate the direct distance between spot height 3694 and spot height 2989. [2]
- e) Differentiate between the slope in grid square 1040 and 2030. [2]
- f) Find out the six figure grid reference of the spot height 3708. [1]
- g) What is the direction of Rama from Tshali Goenpa? [1]
- h) Identify the settlement pattern in 4070. Give one reason to support your answer. [2]
- i) What would be the occupation of people who live in the grid square 6010? [1]
- j) Name two tributaries of Wang Chhu. [1]

Section B (Attempt any TWO questions)

Question 2.

- a) January is quite like July in the equatorial regions. Explain the statement. [2]
- b) Some of the trees in the equatorial forest yield excellent timber. Given the type of trees that grow in the region, do you think it would be easy to exploit these timber resources? Give three valid reasons to support your answer. [3]
- c) Today no one doubts that the earth is spherical in shape. Prove that the earth is not flat. Explain any two. [4]
- d) If the earth were flat, the time of sunrise would be everywhere at the same time. True or false. [1]

Question 3.

- a) Very few ground animals are found in the tropical rain forests. Why? [2]
- b) Mention at least two objectives of fermenting the cocoa beans. [2]
- c) Fill in the blanks with appropriate words: [2]
 - i. The term used to describe the shape of the earth is _____.

- ii. The shadow of the earth on the moon during _____ eclipse shows a circular edge.
- d) The earth's speed of rotation is not the same everywhere. What could be some consequences? Mention any four. [4]

Question 4.

- a) How are the cocoa beans processed before they are ready for the market? [2]
- b) The earth rotates from west to east. Give two proofs to show this. [2]
- c) Mention two effects of earth's inclined axis. [2]
- d) Using a neatly labeled diagram, explain why all places south of the Antarctic Circle have 24 hours of darkness on June 21st. [4]

Section C (Attempt any THREE questions)

Question 5.

- a) Differentiate between nucleated and dispersed settlement. Give three differences. [3]
- b) Festivals were times traders could sell a large number of their products. How did he sell his things at other times of the year? [2]
- c) In your opinion what are some of the measures taken by the government to help the emergence of an active market oriented farming from a subsistence farming. Give three measures. [3]
- d) Following the "Middle Path" developmental philosophy can ensure the protection of our bio diversity. Do you agree? [2]

Question 6.

- a) Urbanization is taking place at a rapid rate in Bhutan. Do you think urban centres are better places to live in? Justify your answer with three reasons. [3]
- b) What is faecal coli? When is the water considered polluted and unfit for consumption? [2]
- c) Define farming system. [2]
- d) At the farm level, within our mixed farming system, forest features as an integral part. Discuss the importance of forest giving three valid points. [3]

Question 7.

- a) Differentiate between educational town and trade town giving an example each. [3]
- b) List down the 6 production systems. [3]
- c) If you were a farmer which agro-ecological zone would you choose? Why? [1]
- d) Define cropping pattern. [2]
- e) Why was the need felt to introduce the concept of Good Agriculture Practice in farming? [1]

Question 8.

- a) Urbanization can lead to the transformation of traditional society. Explain three ways how the traditional society can be transformed. [3]

- b) If you were a farmer, what measures would you adopt to increase yield from crops and livestock? Give three. [3]
- c) A very high percentage of our farming community is either not at all literate or have very low level of literacy. How can this hamper large scale farming? Give two points. [2]
- d) Do you think the inheritance system with regard to land has more advantages than disadvantages? Justify your answer with two points. [2]

Question 9.

- a) In a well planned city or town the industrial zone is usually located at some distance from the residential area. Why do you think so? Give two points. [2]
- b) How is commercial farming different from subsistence farming? Give three differences. [3]
- c) Explain two institutional limitations posed by the geophysical feature to farming in Bhutan. [4]
- d) Man's activity can lead to destruction of the environment. Mention any two man made environmental disasters. [1]

Section D (Compulsory: To be attempted by all candidates)

Question 10.

In the outline map of Asia provided: [5]

- a) Mark with thick lines and name the mountain ranges Zagros and Urals.
- b) Name the rivers Lena and Mekong.
- c) Shade and name Caspian Sea and Yellow Sea.
- d) Mark with dots and name Malaysia and Philippines.
- e) Shade and name Indo-Gangetic plains and Northern Lowlands.

Question 11.

In the outline map of South Asia provided: [5]

- a) Mark with thick lines and name Aravalli Hills and Eastern Ghats.
- b) Mark and name the rivers Indus and Narmada.
- c) Shade and name the Deccan Plateau and Thar Desert.
- d) Mark 'T' over a tea growing region in the North-east of India and 'C' over coffee growing region in the South-West of India.
- e) Put a thick dot and name Mumbai and Delhi.

Question 12.

In the outline map of Bhutan provided: [5]

- a) Mark with a triangle and name the mountains Masagang and Tsendagang.
- b) Mark 'S' where slate is mined and 'D' where dolomite is found.
- c) Put a cross and name Ya La and Karchung La.
- d) Mark 'HD' over Haa Dzong and 'LD' over Lhuentse Dzong.
- e) Name Mangde Chu and Amo chu.