



ཤེས་རིག་ལྷན་ཁག་།
 ལུ་ཏིག་ཐང་འཕྲིང་རིམ་སློབ་གྲྭ་ཤོང་མ།



**MOTITHANG HIGHER SECONDARY SCHOOL
 THIMPHU THROMDE**

“Every child is inspired to learn and empowered with wisdom to excel in life”

MID TERM EXAMINATIONS, 2019

**Class IX
 Geography
 Day & Date: Tuesday 11th June 2019**

**Reading Time: 15 minutes
 Writing Time: 1 1/2 Hours
 Total Marks: 80**

Name: Roll No. Class: Sec:

Invigilator’s Initial

<i>For Teacher’s Use Only</i>												
Section	A		B			C					D	TOTAL
Question Number	1	2	3	4	5	6	7	8	9	10	11	
Award												
Marker’s Initial												

READ THE FOLLOWING DIRECTIONS CAREFULLY:

1. Do not write during the first fifteen minutes. This time is to be spent on reading the questions. After having read the questions, you will be given two hours to answer all questions.
2. Write your index number in the space provided on the top right hand corner of this cover page only. The first five digits have already been printed for you.
3. Attempt Nine questions. Section A and D are compulsory. Attempt 2 questions from Section B and 3 questions from section C. 4. The intended marks for questions or parts of questions, are given in brackets [].
5. Read the directions to each question carefully and write all your answers in the space provided in the question booklet itself.

Section A

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

Question 1

- a) Mention the R.F. Provided on the map? (1)
- b) Find the highest and lowest spot given on the map. (1)
- c) Find the four figure grid reference of the lhakhang lempang (1)
- d) Describe the occupation of people living in Grid Square of 4020. Give a reason to support your answer. (2)
- e) Interpret the following abbreviations. (2)
 - i) TT
 - ii) WT
 - iii) SCH
 - iv) SS
- f) What is the mode of transport between Bikhari and Phingri Pam. (1)
- g) What is the compass direction of Bidung from lempang? (1)
- h) Draw the Conventional Symbols for the following (1/2*4=2)
 - i) Depression
 - ii) Cliff
 - iii) Chorten

- iv) Orchard
- i) Mention the flow direction of the river Gam Ri. (1)
- j) Name the type of settlement in the Grid square 4010. (1)
- k) Mention the Drainage pattern found in the Grid square 2010. (1)
- l) Mention the contour interval and Index contour interval of the map. (1/2*2=1)

Section B

Directions: Attempt any three questions from this section.

Question 2

- a) Explain the concept of continental drift with two evidences. (3)
- b) Explain the formation of the Himalayas? (2)
- c) Explain plate tectonics with the help of a diagram. (3)
- d) Give two evidences to prove that the Himalayas grew out of the Tethys sea. (2)

Question 3

- a) What are sedimentary rocks? Explain its formation with the help of a diagram (3)
- b) Differentiate between Intrusive and extrusive igneous rocks. (2)
- c) Name any two types of intrusive igneous rocks. (1)
- d) Why are fossils important? (1)
- e) List two conditions that helps in fossilization and two conditions that do not. (2)
- f) Define fossil fuels. Give one example. (1)

Question 4

- a) Explain the formation of igneous rocks (2)
- b) What happens to fossils in metamorphic rocks? Why? (2)

c) Mention any four groups of minerals. (2)

d) Mention two advantages and two disadvantages of mining. (2)

e) List four minerals Bhutan exports to other countries. (2)

Question 5

a) What is a mineral? (1)

b) List the features of a gemstone. (1)

c) Explain the terms: (2)
i) Crude Oil

ii) Native minerals

d) Why is Mining expensive? Give your own reasons.(2)

e) How are metamorphic rocks formed? (1)

f) What is a geological cycle? Explain with clearly labelled diagram. (3)

Section C

Directions: Attempt any two questions from this section.

Question 6

- a) What causes an earthquake? (1)

- b) Explain the following terms. (2)
 - i) Magnitude

 - ii) Epicentre

- c) What is a Tsunami? Why is it considered dangerous?(2)

- d) Name the instrument that measures an earthquake. (1)

- e) Mention the advantages and disadvantages of an earthquake. (2)

- f) Name 4 countries where earthquakes occur frequently. (2)

Question 7

- a) Define soil. (1)

- b) Describe any two factors that helps in the formation of soil. (4)

- c) Define the following terms: (2)
- i) Infiltration rate

 - ii) Water logged
- d) How is “O” Horizon formed? (2)
- e) Name any four types of soil found in Bhutan. (1)

Question 8

- a) What is Atmosphere? (1)
- b) Explain any two layers of the Atmosphere. (4)
- c) Define climate? (2)
- d) Mention four factors that affect temperature. (2)

- e) Where do weather changes take place?(1)

Section D

Compulsory: To be attempted by all candidates.

Question 9

On the outline map of Asia provided . (5)

- a) Mark with thick lines and locate the Caucasus and Himalayan Mountains.
- b) Mark the Rivers OB and Amur.
- c) Shade and mark Yellow Sea and Caspian sea.
- d) Shade and mark the countries; Japan and Phillipines.
- e) Mark the Indo Gangetic Plains and Plateau of Arabia.

Question 10

On the outline map of SA provided. (5)

- a) Mark with a thick line and locate Nilgris and Satpura Range.
- b) Mark and locate the rivers Yamuna and Krishna.
- c) Mark 'R' over the region where rice is grown and 'C' over the region where cotton is cultivated.
- d) Put a thick dot and locate Lucknow and Mumbai.
- e) Put Δ over where Iron Ore is found , \bigcirc over where Coal is found.

Question 11

On the outline map of Bhutan provided. (5)

- a) Mark with a thick line and locate jichu Drakey and Jowo Durshing.
- b) Locate the rivers Wang chhu and Puna Tsang chhu.
- c) Put a cross and locate Chele La and Dochu La.
- d) Put dot and locate Gasa and Zhemgang.

- e) Mark and locate Pasakha and put C over the place where coal is mined.
