

FORM 4

GEOGRAPHY (OPTION)

TIME: 1h 30min

Name: _____

Class: _____

Instructions to candidates

Answer all questions in the space provided. Write your answers neatly and in good English. Credit will be given for relevant illustrations. The marks for individual questions are shown in brackets e.g. (4). There are 9 questions in all. The total mark for this paper is 90. The use of blank paper, pieces of string and calculators is allowed.

Examiner's use only.

Question No.	1	2	3	4	5	6	7	8	9	Written Exam	Fieldwork Report	Total
Maximum Mark	12	8	12	8	12	8	12	9	9	90	10	100
Score												

Question 1 – Mapwork

Examine carefully the topographical (OS) map 1:25000 given as a separate sheet Figure 1 and then work out the given exercise.

Fill in the details needed after reading well the following extract.

James and Julia want to spend an adventurous holiday with their family. They have searched on the internet and found a holiday camp near Camber. They now need the following details from the OS map given (Figure1) to convince their mum and dad to choose this location. You will help them to give these details.

a) Four-figure grid reference of the Holiday Camp near Camber _____ (1)

b) Four-figure grid reference of two farms as Mum likes to visit such places.

Name of farm _____ Four-figure GR _____

Name of farm _____ Four-figure GR _____ (2)

c) Give the six-figure grid reference of the Golf Course as Dad needs to practise his favourite sport. _____ (1)

d) Describe the beach from 9618 to 0217.

(2)

e) Enlarge the grid boxes 9517 and 9518 to a scale of 1:25000. Clearly show the coastline, the sandy area, the location of the dunes and the water channels. (4)

Enlarged Grid Boxes Scale 1:25000

f) What are the main attractions of the area?

(2)

Question 2 – Location and Places

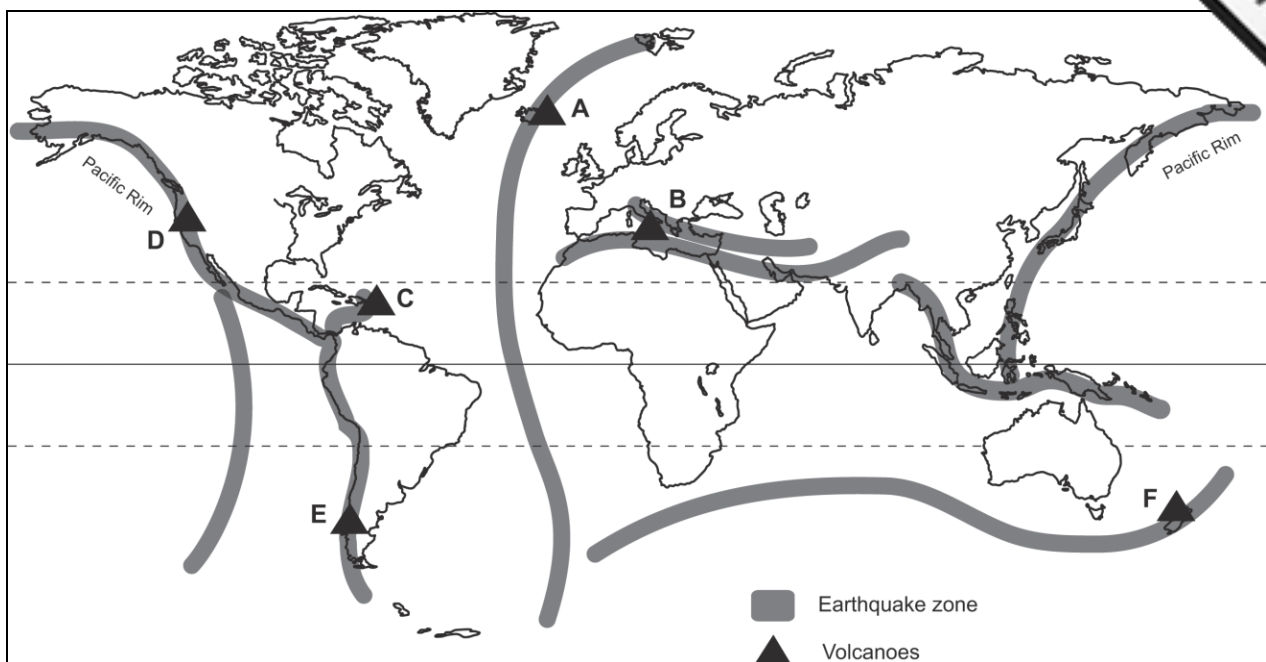


Figure 2

Examine carefully the world map above (Figure 2) and then circle the correct letter from the brackets.

- Letter (**D** **B** **A**) is the volcano Mount St. Helens.
- Letter (**C** **A** **D**) is the volcanic island of Surtsey.
- Letter (**E** **B** **D**) is Mount Etna.

Show the position of the following places by writing the letters **d** to **h** on the map above.

- An area of oceanic crust
- An area of continental crust
- Nazca Plate
- Eurasian Plate
- An area that suffered major casualties and damage by the Tsunami of 2004

Question 3 – Weather and climate

Examine the given diagram and work out the exercise below.

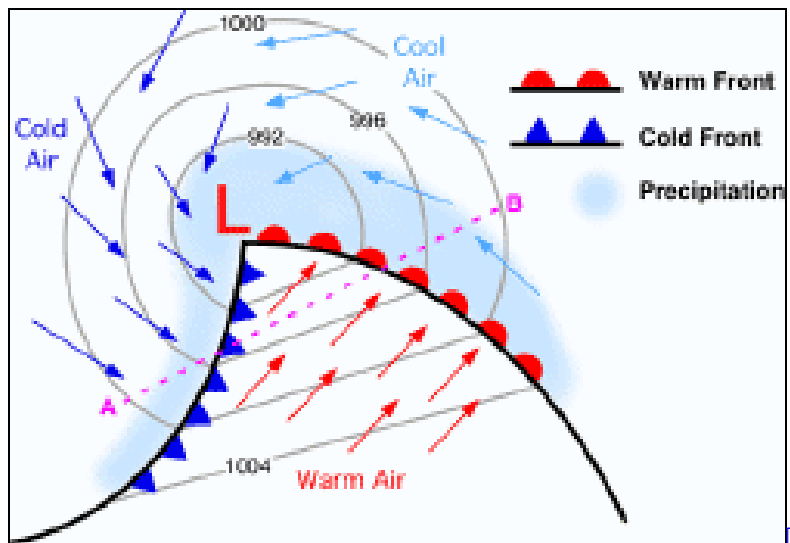


Figure 3

- a) What type of pressure is found at the warm front? Why do you think so?

- b) In which section of the depression are warmer temperatures experienced?

- c) Which part of the depression brings very heavy rain? What type of clouds form here?

- d) Which section of the depression brings cold but sunny weather?

- e) Explain what the isobars are.

- f) Why do depressions form over the Atlantic Ocean?

Question 4 – Landform and Processes

Explain the differences between these terms related to volcanic activity.

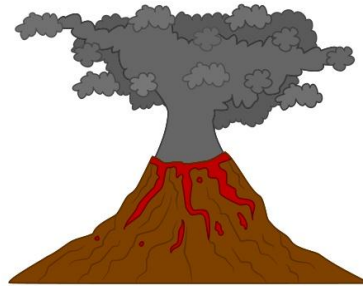


Figure 4

a. Basic and acid lava

b. Active and dormant volcanoes

c. The crater and the magma chamber

d. The negative and positive effects of volcanic activity

Question 5 – Landforms and Processes

Examine well the given diagram in Figure 5 showing a river meander.

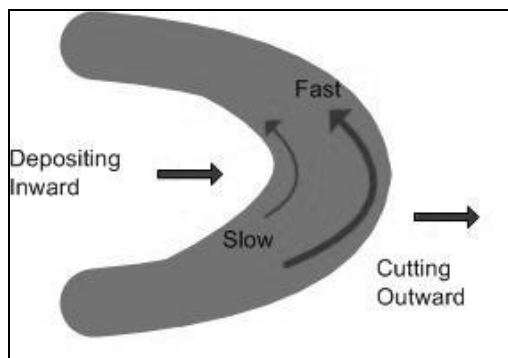


Figure 5

a) What is a river meander? _____

b) Explain what is happening on the inner side of the meander.

c) Explain what is happening on the outer side of the meander.

d) How are ox-bow lakes formed?

e) How are natural levees formed by the river?

f) Explain what a river delta is.

Question 6 - Socio-Economic Human Systems

a) What developments have occurred during the past years in the following urban zones?



Figure 6

Urban Zone	Change
CBD	
Inner City	
Rural-urban fringe	

(6)

b) Name **two** measures being taken to control urban sprawl.

(2)

Question 7 – Socio-Economic Human Systems

a) Explain how these inputs affect farming:

i. Physical inputs (*Mention three points*)

(3)

ii. Human inputs (*Mention three points*)

(3)

iii. Economic input (*Mention one point*)

(3)

b) How do governments influence farming through political decisions? (*Mention one point*)

(3)

Question 8 - Environmental Concerns

Answer the following questions regarding the use of chemicals by farmers.

a) Why do many farmers use chemicals on their farms?

(3)

b) Many consumers are against the use of such chemicals in farming. Write a paragraph in order to make both farmers and consumers more aware of the disadvantages caused by the use of chemicals in farming.

(6)

Question 9 – Environmental Concerns

Refer to Figure 7 below and then work out the exercise given.

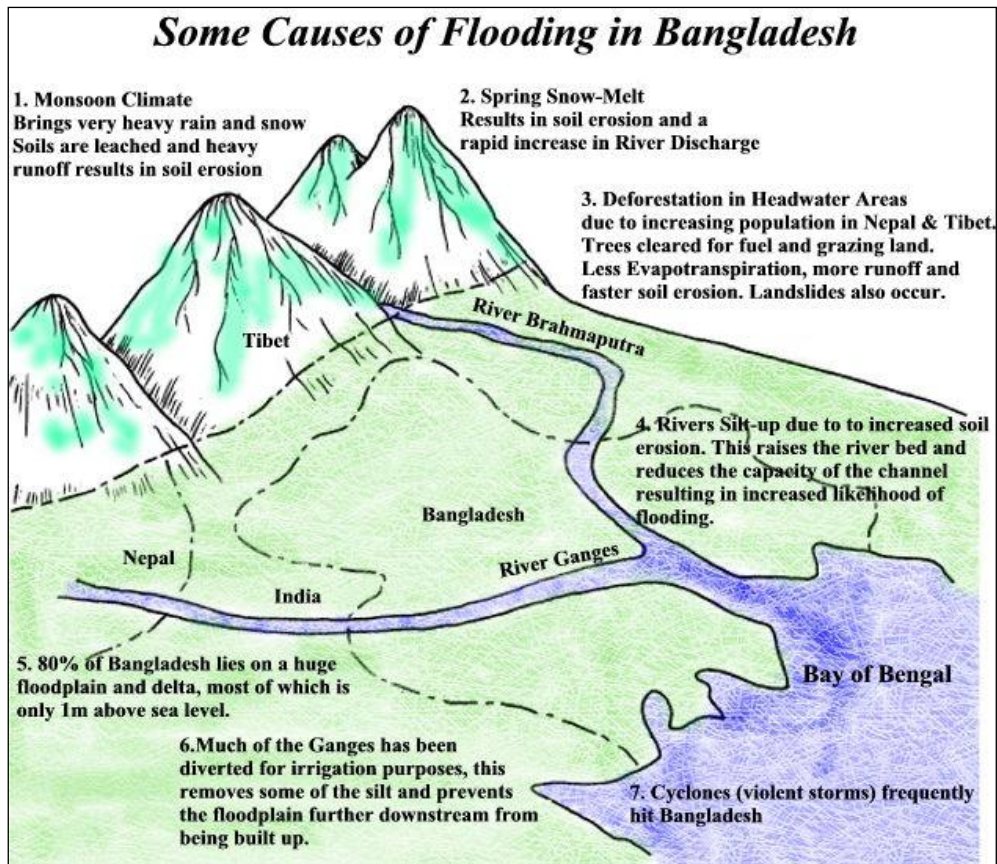


Figure 7

- a) By looking at Figure 7, describe the position of Bangladesh in relation to the physical features of the area.

(2)

- b) Give **five** reasons why flooding frequently occurs in Bangladesh.

(5)

- c) Describe **two** main negative effects caused by one of the floods that occurred in Bangladesh.

(2)

End of Paper



Figure 1

