

School

Candidate's Name (PLEASE PRINT)



WINCHESTER
COLLEGE

Entrance Examination

Geography

2021 Paper

Total time allowed: 1 hour

Candidates answer on the Question Paper.

Write in dark blue or black pen.

Additional materials: Calculator, Ruler, Protractor, HB pencil.

SECTION A

Candidates should answer all questions in this section.

SECTION B

Candidates must choose **one** of two questions.

Both questions are worth equal marks.

SECTION C

Candidates must choose **one** of two questions.

Both questions are worth equal marks.

SECTION D

Candidates should answer all questions in this section.

SECTION A

THESE QUESTIONS ARE ON UK AND GLOBAL KNOWLEDGE

Answer ALL the questions in this section.

1) Shade and name the following countries on the world map on **page 3**:

(a) Bolivia (b) Yemen (c) Chad (3)

2) Label the Topic of Cancer on the world map. (1)

3) Label the Arctic Circle on the world map. (1)

4) Locate and label the following cities on the world map: Santiago and Riga. (2)

5) Look at the map of the UK on **page 4**.

(a) Locate and label Oxford, Exeter and Newcastle on the map. (3)

(b) What is the name of one of the upland areas in grid square 0402? (1)

(c) What is the grid square due north of grid square 0402? (1)

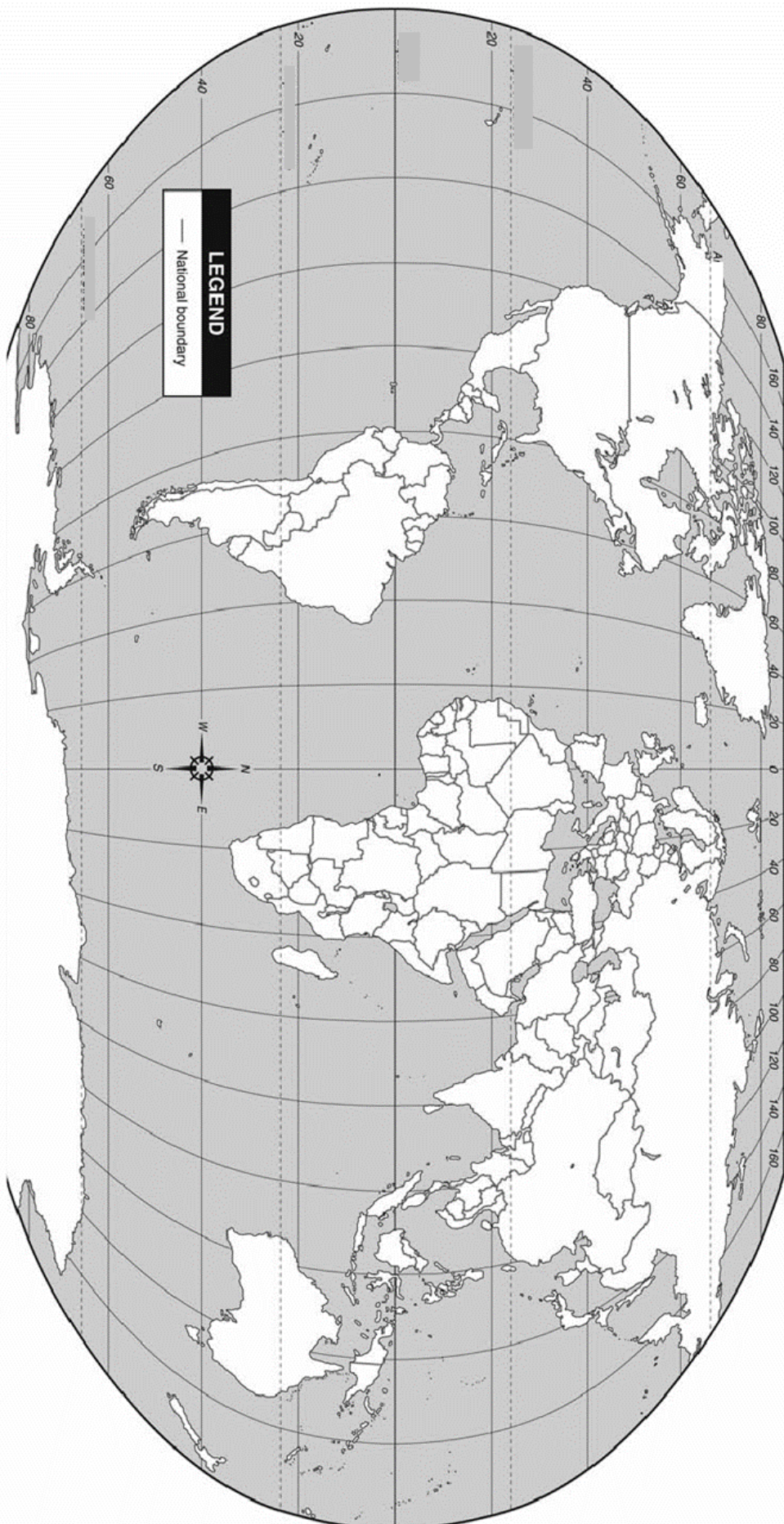
(d) What is the six figure grid reference of location A on the map? (1)

(e) What is the name of the city at location A? (1)

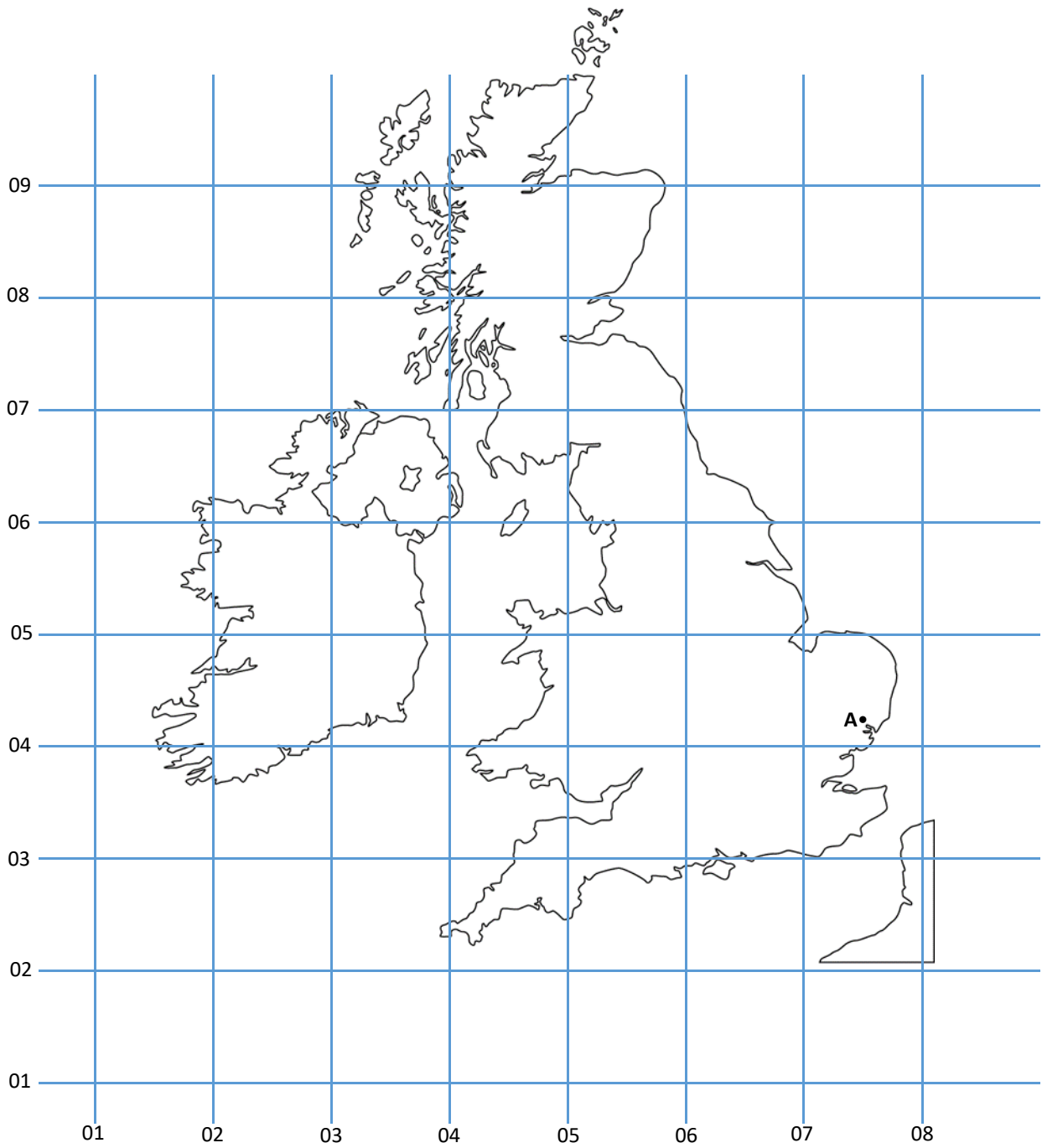
(f) What is the name of the river that flows through the city at location A? (1)

(Total = 15 Marks)

WORLD MAP



MAP OF THE UK



Answers to:

5)

b)

c)

d)

e)

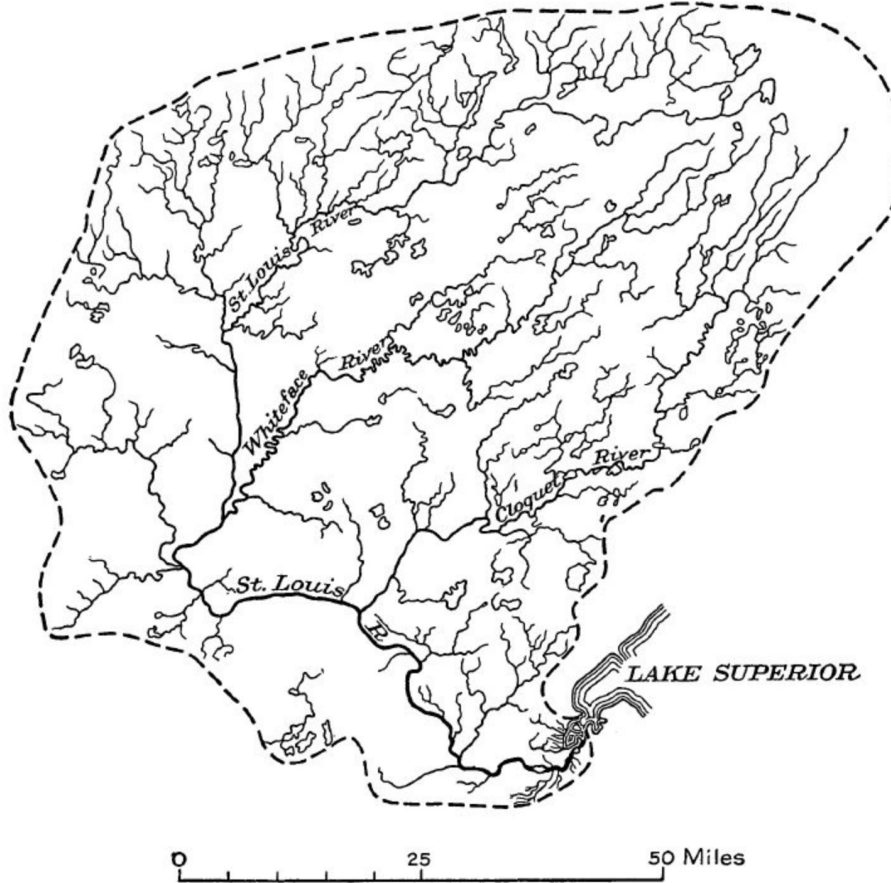
f)

SECTION B

Answer one questions from this section, either question one or question two.

QUESTION 1: RIVERS

Fig. 1: a map of St. Louis River drainage basin, Minnesota and Wisconsin.



a) On Fig. 1.

- Mark the source of a river 'S'
 - Mark the middle course of a river 'M'
 - Draw an arrow to indicate the direction of the Whiteface River
- [3]

b) What is a watershed?

.....
..... [1]

c) Describe the probable differences between valley cross sections close to S and at M

.....

.....

.....

..... [3]

d) Suggest two human and two physical causes of river flooding.

Cause 1.....

.....

Cause 2.....

.....

Cause 3.....

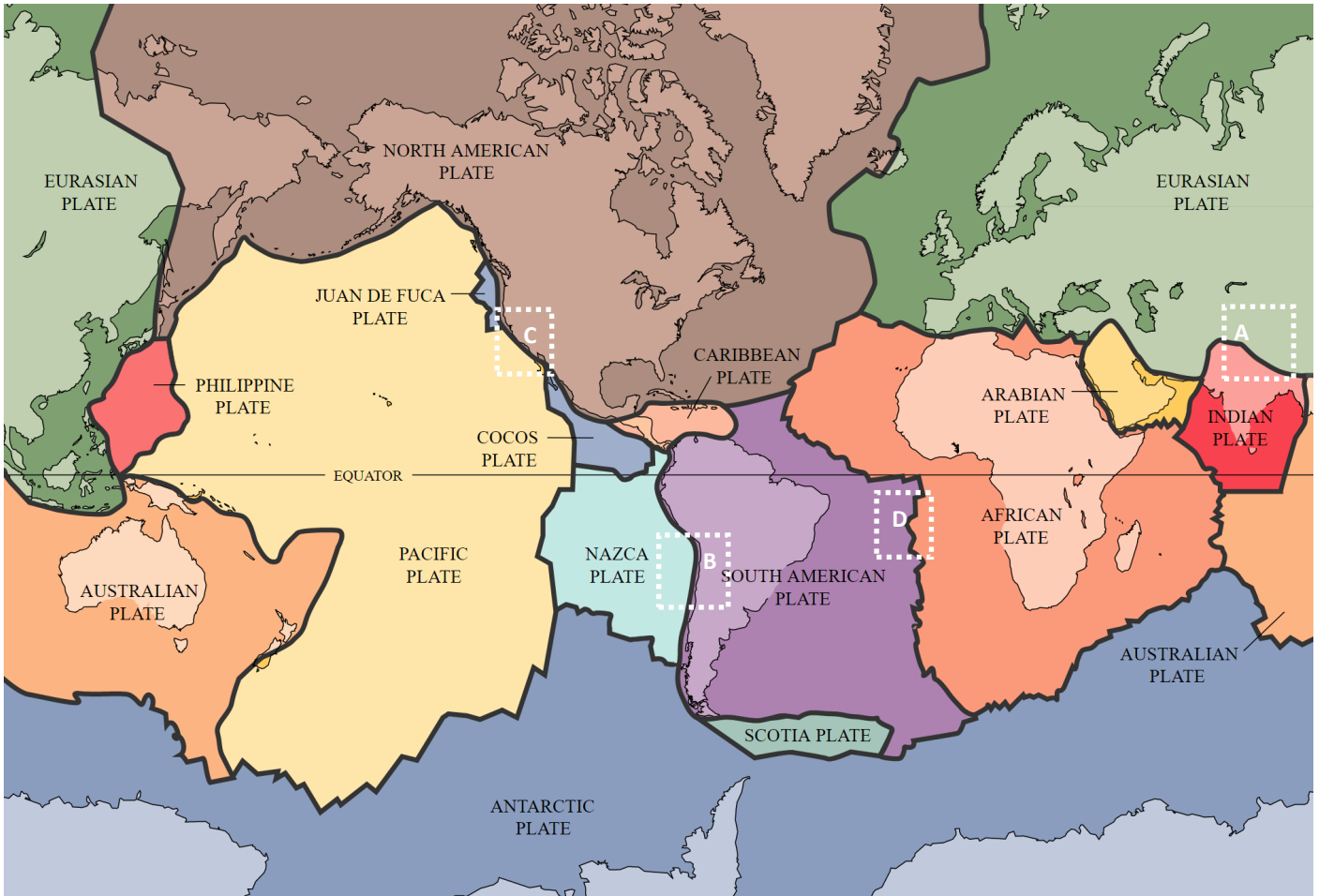
.....

Cause 4.....

..... [4]

QUESTION 2: TECTONIC PROCESSES

Fig. 2: A map of tectonic plates



a) Name the type of plate boundaries A, B, C and D shown in Fig 2.

A

B

C

D [4]

b) Explain why there are earthquakes, but not volcanoes at the boundary at 'C' in fig. 2.

.....
.....
..... [3]

c) Explain why earthquakes largely strike the area to the east of the boundary at B in fig. 2

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.....
.....
..... [4]

SECTION C

Answer one questions from this section, either question three or question four.

QUESTION 3: POPULATION AND SETTLEMENT

Fig. 3: A squatter settlement in Chennai



By Christian Huemer/Österreich - Own workIch (Christian Huemer/Österreich) habe es im November 2005 selbst aufgenommen., CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=23781874>

a) Describe the buildings shown in Fig 3

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.....

.....

..... [4]

b) Give reasons for the migration of people from rural to urban areas in LICs

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..... [4]

c) Explain why squatter settlements such as Fig. 3 are likely to have both benefits and problems

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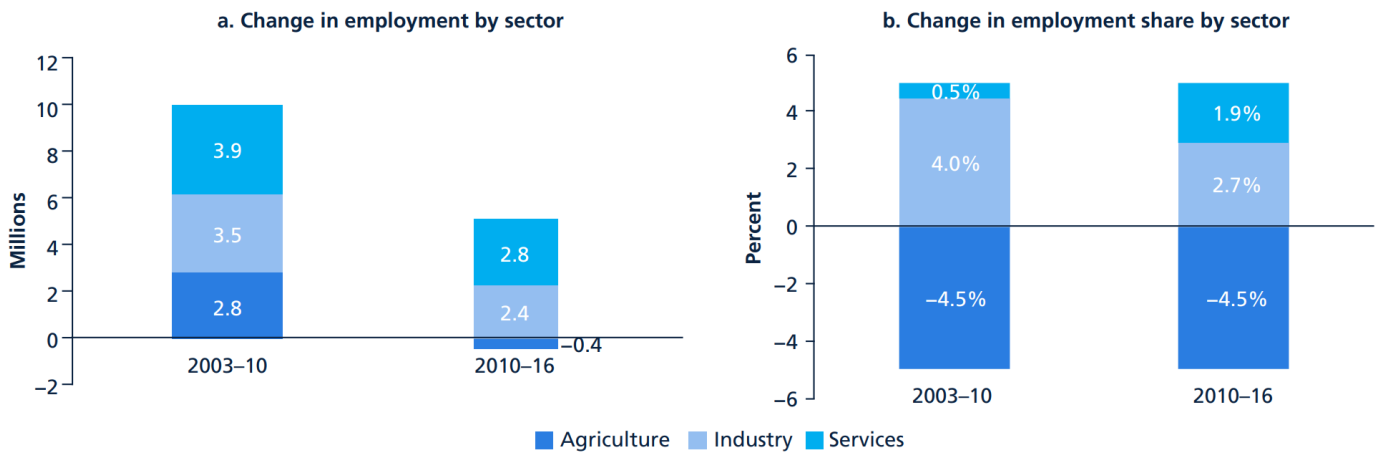
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..... [5]

QUESTION 4: TRANSPORT AND INDUSTRY

Fig. 4: Information about the employment structure of Bangladesh (source—World Bank, 2017)



Give one example of:

- a) A job in the service sector
- b) A manufacturing industry[2]

c) Using information from Fig. 4 only, compare the changes in the employment structure between 2003-10 and 2010-16.

.....

.....

.....

..... [3]

d) Suggest reasons for the changes which have taken place in Bangladesh's employment structure between 2003 and 2016.

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..... [4]

e) Explain why quaternary industry has become important in countries where economic development is rapid.

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..... [4]

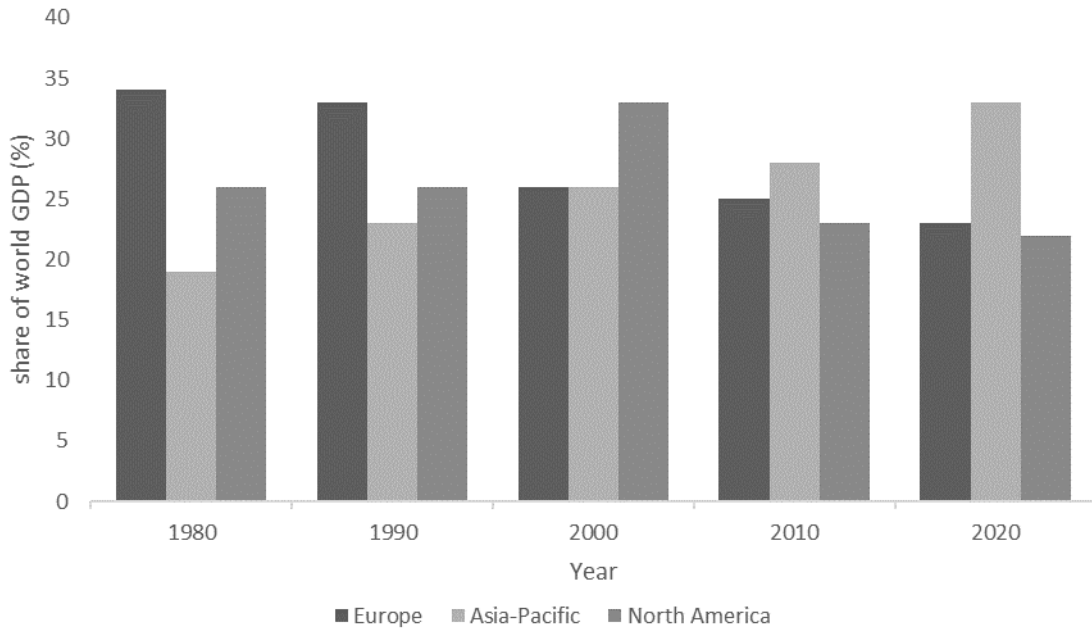
SECTION D

Answer all questions in this section.

QUESTION 5

Fig. 5 shows the changing share of world wealth production in three regions between 1980 and 2020. These changes are related to globalisation.

Fig. 5



Describe the changes in each region

a) Europe

.....
..... [1]

b) Asia-Pacific

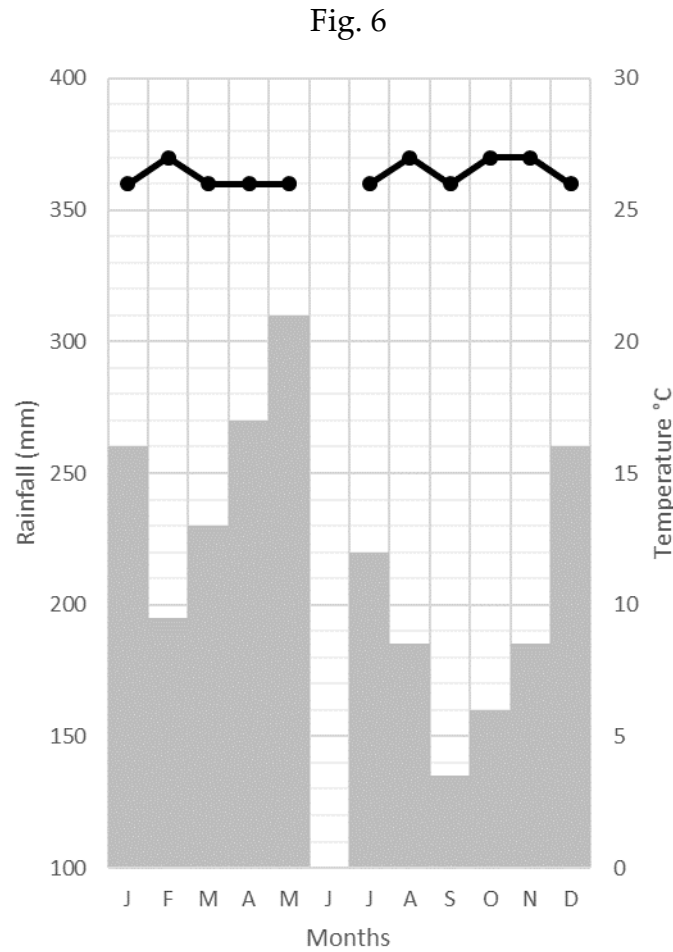
.....
..... [1]

c) North America

.....
.....
..... [2]

QUESTION 6

Fig. 6 is a climate graph. The line graph shows the temperature and the bar graph shows the rainfall.



a) The area shown on Fig. 6 has a temperature of 25 °C and 240 mm of rainfall in June. **Plot this information on Fig. 6.** [2]

b) Use the information in Fig. 6 to fill in the following table: [3]

| Feature | Amount | Description |
|---------------------------------------|--------|-------------|
| Mean temperature of the hottest month | | hot |
| Mean temperature of the coldest month | 24 °C | |
| Annual temperature range | 3 °C | |

QUESTION 7

A group of pupils went to do fieldwork at Hurst Castle Spit on the south coast of England. They wanted to investigate movement of beach material along the coast.

They decided to test the hypothesis:

Hypothesis 1: Longshore drift takes place along the coast at Hurst Castle Spit.

Before departing, they considered the weather forecast.

a) Give **two** benefits of considering the weather forecast ahead of planning fieldwork

- 1
-
- 2
- [2]

In order to gather data the students followed this method:

- Paint 50 pebbles of varying sizes with fluorescent paint
- Place the pebbles in the swash/backwash zone
- After 60 minutes find the pebbles and establish the distance and direction they have travelled in

b) Why did the pupils paint the pebbles?

- [1]

c) Suggest one way the pupils could improve their method

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- [1]

