OUNDLE

School

2016 Academic Scholarship

Geography

Time allowed: **1 hour 30 minutes**

Write all answers on A4 lined Examination Paper.

Also needed:

- **1:50 000 OS map extract;**
- **Insert to answer Section A Question 3 (d) and (e)**

Instructions:

- Write your name at the top of each separate page you write on, including on Sheet A;
- Clearly number every question that you answer;
- Answer:
  - A**ll of Section A**;
  - O**ne question from Section B; and**
  - O**ne from Section C.**
- The marks available for each question are shown in brackets; the length of each answer relate to the number of marks and should guide you on how much time to spend on each.

Information:

- The total number of marks for this paper is **60.** Each section is weighted **equally;**
- Credit will be given for the use of labelled maps and diagrams, where used appropriately.

Section A: Applied Mapwork & Skills

You **must** answer all of Section A.

1. Study the map extract for Bindura Township, Zimbabwe. The scale is 1:50 000.

   Figure A1 shows some of the features in the North West part of the map extract. Study Figure A1, the map extract and the key, and answer the questions below.

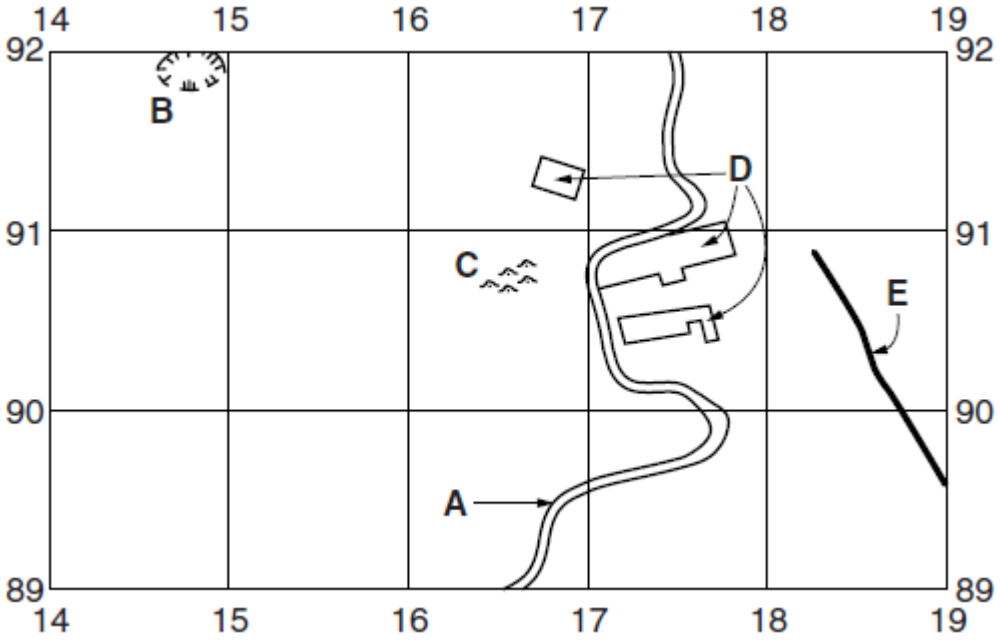


Figure A1

(a) The name of the river A; (1)

(b) Feature B; (1)

(c) The Features at C; (1)

(d) The land use in areas D; (1)

(e) The type of road at E. (1)

2. Using the map extract, study the area of settlement around Bindura in the centre of the map extract.

   (a) Identify three services provided in this area. (3)

   (b) Using map evidence, explain why the settlement has developed at Bindura (4)

3. Table A1 gives information about employment in three countries.

Country	Percentage of employment		
	primary industry	secondary industry	tertiary industry
Australia	4	21	75
Malaysia	13	36	51
Bangladesh	63	11	26

Table A1

(a) State one example of a primary industry; (1)

(b) State one example of a secondary industry (1)

(c) State one example of a tertiary industry (1)

(d) Use information from Table A1 to complete Figure A2 on the one page answer sheet. Use the key provided.
Do not mark the figure below, or your work will not be marked. (3)

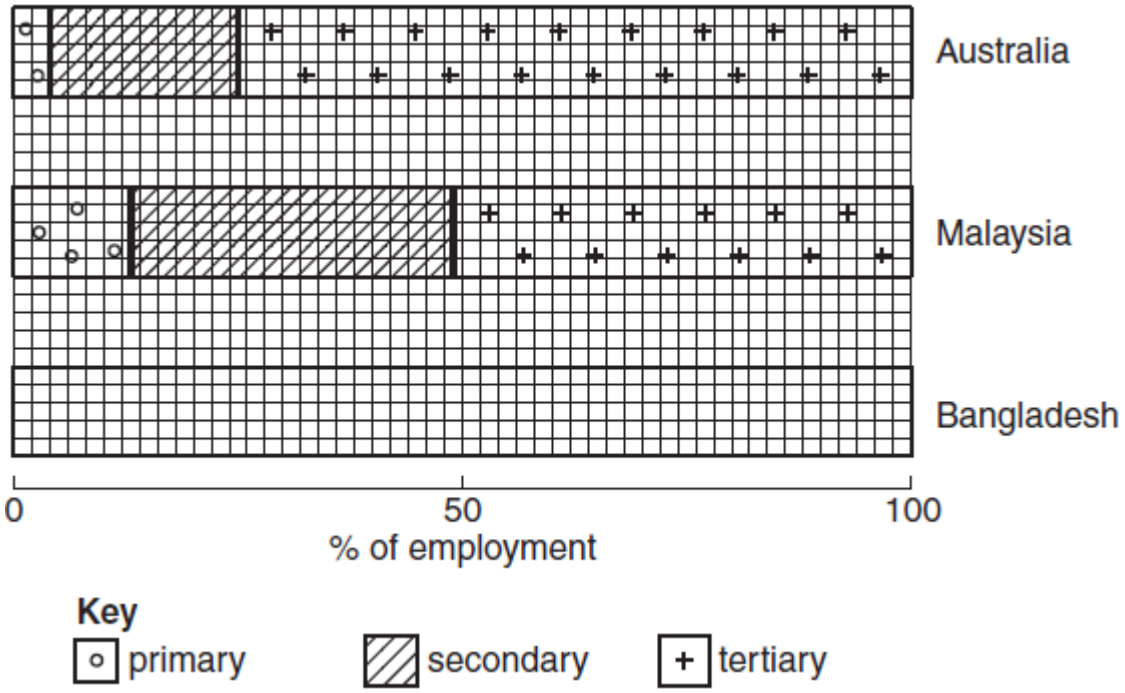


Figure A2

(e) As a country becomes more economically developed over time, the employment structure changes. Figure A3 shows how this might occur.

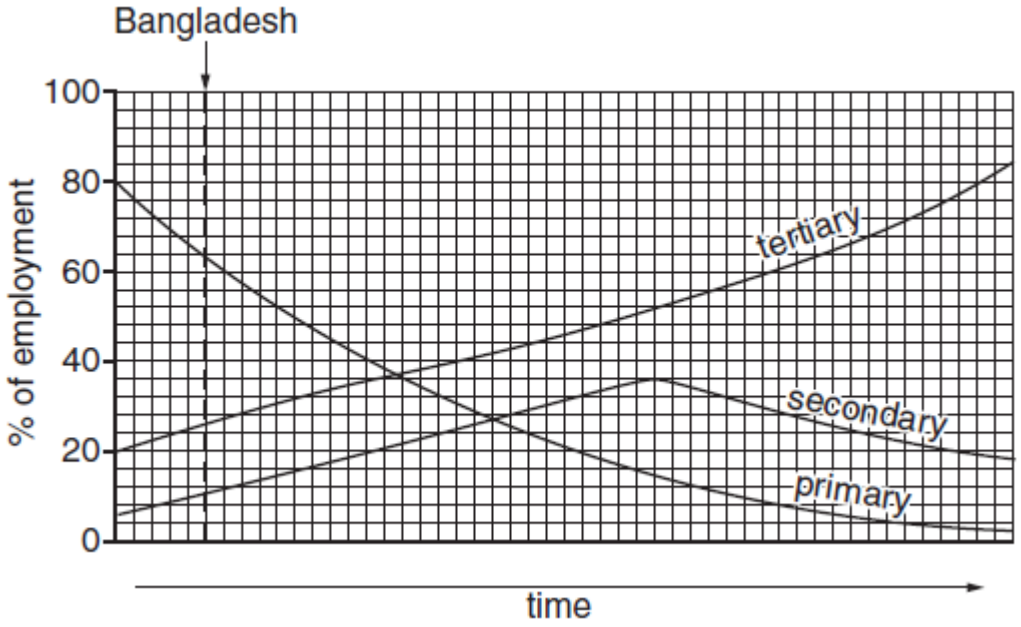


Figure A3

Using information from Table A1, plot Australia (an MEDC) and Malaysia on Figure A3 on the one page answer sheet. Bangladesh (an LEDC) has already been done for you.
Do not mark the figure above, or your work will not be marked. (2)

(Total marks for section A = **20 marks**)

Section B: Applied Physical and Human Geography

Choose **one** question from this section **(either B1 or B2)**

Question B1 (Applied Physical Geography)

1. Study Photograph B1 below which shows a river valley.



Photograph B1

(a) Describe the shape of the valley shown in Photograph B1 (1)

(b) Describe two features of the river shown in Photograph B1 (2)

(c) Suggest three ways in which the river shown in Photograph B1 could be carrying out erosion. (3)

2. Draw a fully labelled diagram that explains the process of freeze-thaw weathering (4)

3. Study Photograph B2, which shows rocks where biological weathering is taking place.



Photograph B2

(a) Explain why biological and chemical weathering are rapid in areas which are hot and wet. (4)

4. For a named area you have studied, explain the causes of flooding. (6)

(Total marks for question B1 = **20 marks**)

Question B2 (Applied Human Geography)

Do NOT answer this question if you have just answered B1

1. Study Figure B1, which shows the population of four parts of the world in 1960, 2010 and 2060 (projected)

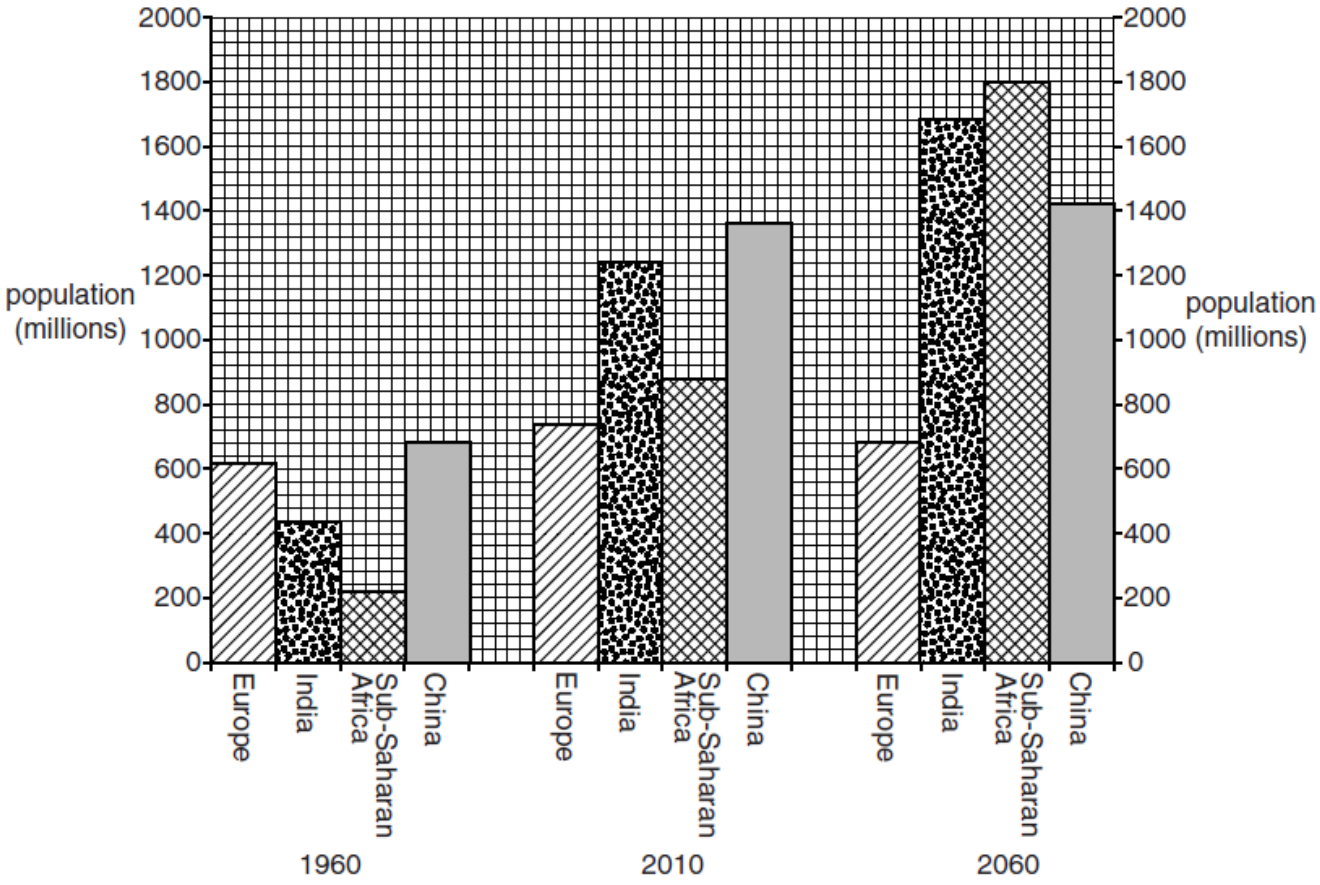


Figure B.1

(i) What was the population of Europe in 1960? (1)

(ii) Using Figure B1, identify the part of the world which is likely to:

(iii) A – Decrease in population between 2010 and 2060; and
B – Increase most in population between 2010 and 2060 (2)

(iv) Describe three different problems caused by population growth. (3)

2. Study Figure B2, which shows the birth rate and death rate for Vietnam (an LEDC) between 1960 and 2010.

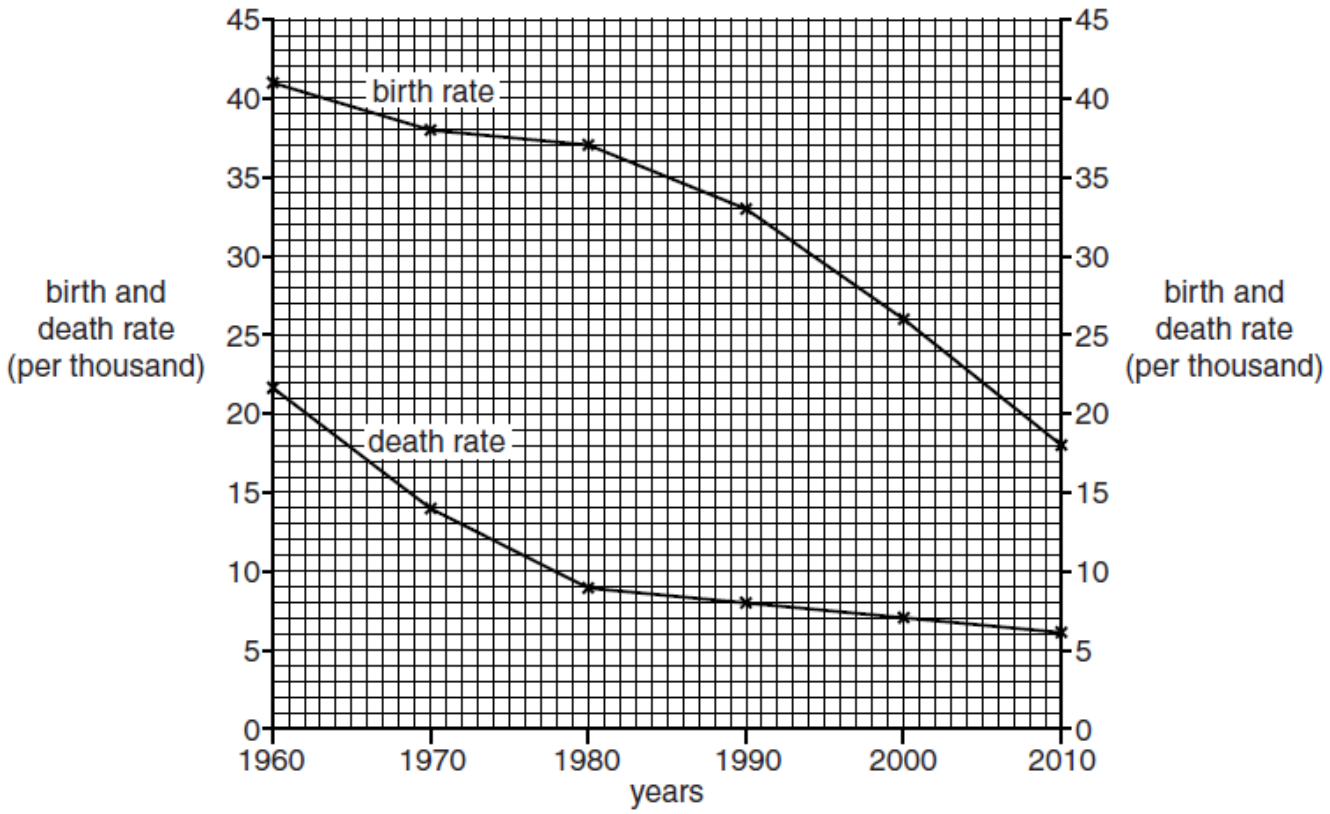


Figure B2

(i) Describe the changes in the death rate between 1960 and 2010 in Vietnam. Refer to statistics and years from Fig B2 in your answer. (4)

(ii) Suggest reasons why the birth rate in LEDCs such as Vietnam is still high compared with MEDCs such as the UK (4)

3. For a named country, explain why the distribution of its population is uneven (6)

(Total marks for question B2 = **20 marks**)

Section C: Essays

Choose **one** question from this section. Credit will be given for use of examples and appropriately used diagrams.

All questions are marked out of 20 marks

1. It is estimated that commercial airlines will transport around 3.6 billion passengers in 2016. Explain the advantages and disadvantages of transporting people in this way.

2. "Climate change is inevitable and its impacts cannot be stopped." Use evidence to outline how far you agree with this statement.

3. Why are some areas of the world at greater risk from tectonic activity?

4. Explain how and why you would expect the employment structure of a country to change as it becomes more economically developed over time.

5. Micro-climates can vary greatly across a city as big as London. Explain how this happens

6. Discuss the impacts of an earthquake that you have studied, as well as how people tried to deal with and manage the aftermath.

7. Explain how the size of a population in a country of your choice is changing, and give the reasons for this change.

8. Discuss the reasons for the geographical variation in the UK's climate.

Insert – to be printed on a separate page

3. Table A1 gives information about employment in three countries.

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Table A1

(d) Annotate this Diagram to answer Question 3 (d) from Section A

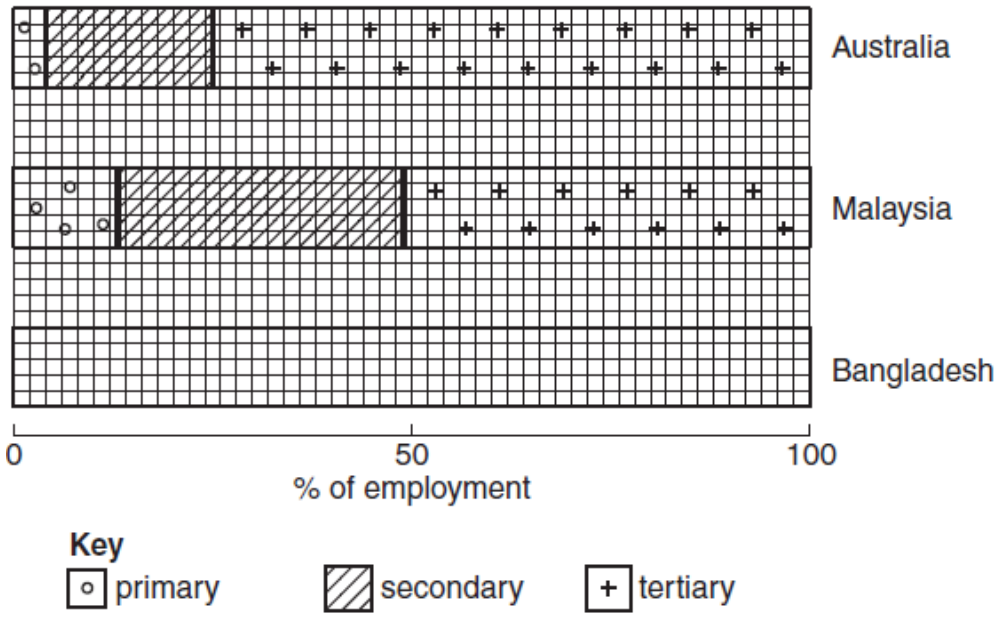


Figure A2

(e) Annotate this Diagram to answer Question 3 (e) from Section A

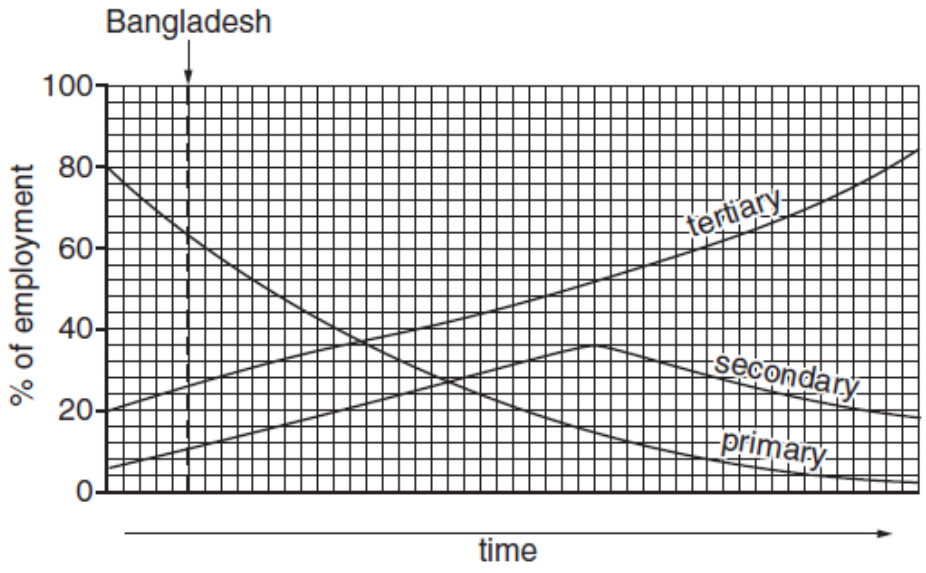


Figure A3