# ST EDWARD'S
# OXFORD

## 13+ SCHOLARSHIP EXAMINATION

## For entry in
## September 2016

## GEOGRAPHY

## Time: 1 hour

**Candidates Name: ……**

**Instructions to candidates:**
Answer one question from Section A (choice of three) – spend approx. 20mins on this
Answer one question from Section B (choice of two) – spend approx. 20mins on this
Answer one essay question from Section C (choice of four) – spend approx. 20mins on this

## Section A – Physical Geography

Answer **one** question from the following options: -

### Option 1 - Earthquakes and Volcanoes

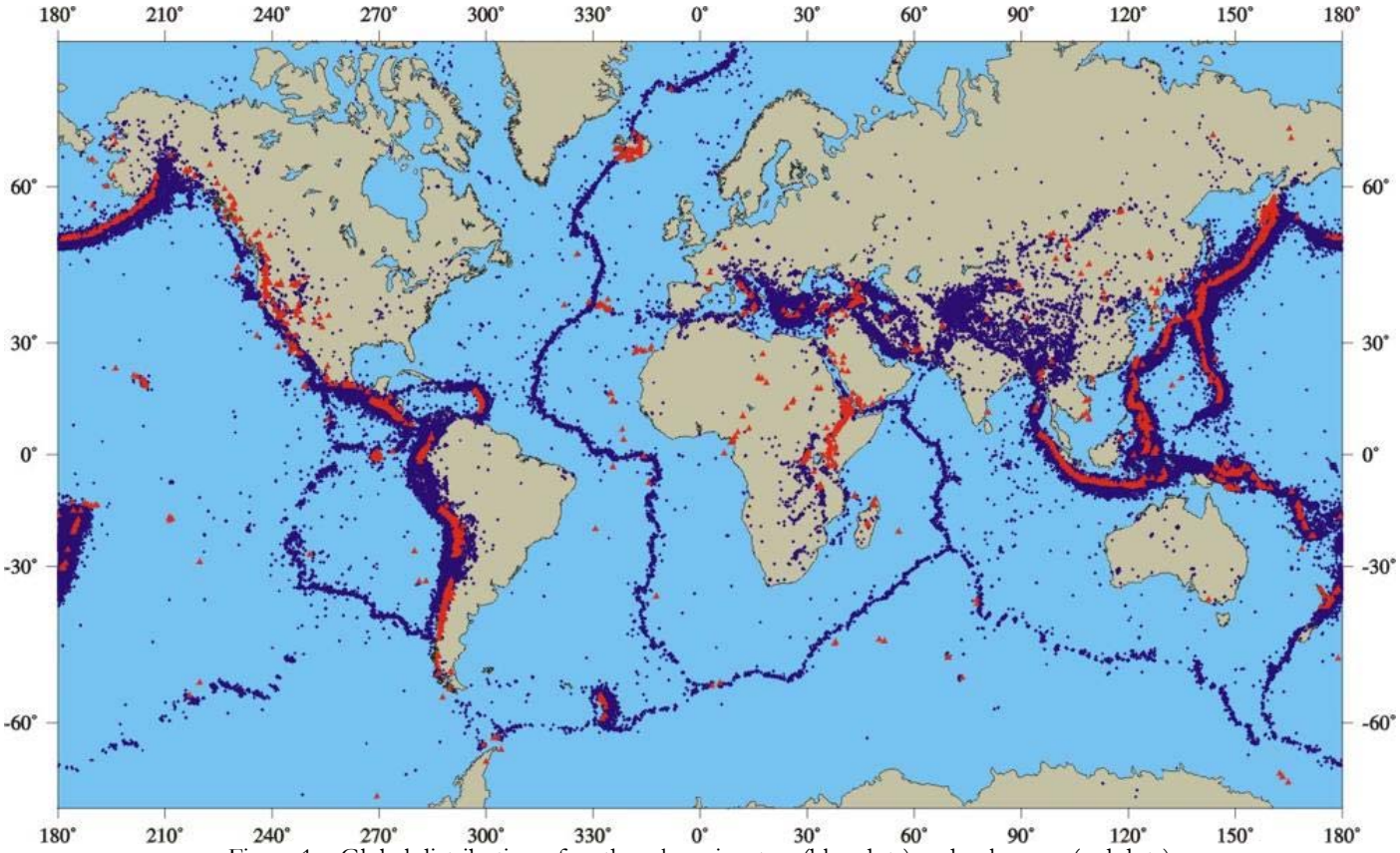



Figure 1 – Global distribution of earthquake epicentres (blue dots) and volcanoes (red dots)

1. Describe the distribution of earthquakes and volcanoes as shown in Figure 1. (4)
2. Explain why there are differences in the locations of some earthquake epicentres and volcanoes. (5)
3. Using an example of a tectonic event that you have studied, describe the human effects and responses. (6)

### Option 2 - Rivers and Coasts

1. Describe the differences between the following transportation processes: Saltation, suspension and traction. (4)
2. Explain the formation of meanders (5)
3. With reference to one named flood event, describe how it was caused by both physical and human factors. (6)

### Option 3 - Weather and Climate

1. Draw a systems diagram to show the drainage basin hydrological cycle (4)
2. Explain how buildings and shelter influence microclimate. (5)
3. Discuss the factors that influence variations in the UK's temperature and rainfall. (6)

## Section B – Human Geography

Answer **one** question from the following options: -

### Option 1 - Population and Settlement

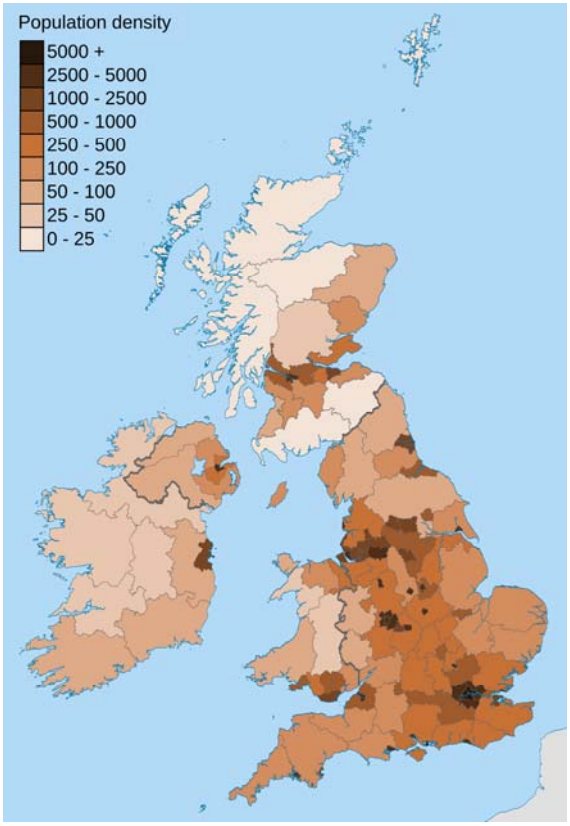



Figure 2 – A choropleth map showing the population density of the UK

1. Describe the differences in population density across the UK. (4)
2. Explain how birth rate, death rate and migration can influence changes to total population (5)
3. Discuss the factors that have encouraged the growth of some settlements (6)

### Option 2 - Transport and Industry

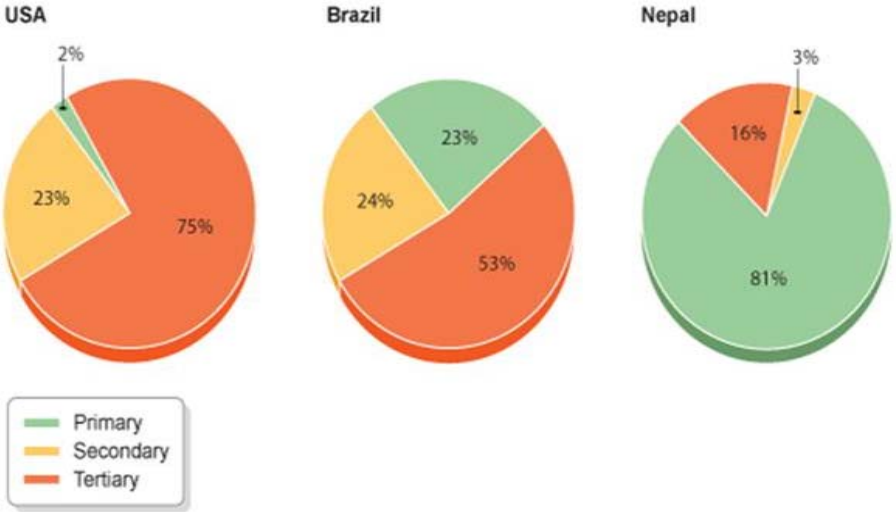



Figure 3 – Pie charts showing the percentage of population employed in each sector of industry

1. Choose two of the pie charts above. Describe the differences in the population employed in the different sectors of industry. (4)
2. Explain the value of transport routes for people and industry (5)
3. Discuss the economic costs and benefits of a transport project you have studied. (6)

## Section C – Essay

Answer **one** question from the following options. Credit will be given for the use of examples and appropriate diagrams.

1. Why does the dominant form of weathering vary from one part of the world to another? (20)

2. Wealth is a more important factor in determining 'survival rates' during an earthquake, than earthquake magnitude. Discuss. (20)

3. With reference to a National Park that you have studied, show how conflicts have arisen and how they have been resolved. (20)

4. 'Counties cannot develop economically without damaging the environment'. Discuss the extent to which you agree with this statement. (20)