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 round brackets: e.g. (4). There are 9 questions in all. The total mark for this paper is 90.

Examiner’s use only

<table>
<thead>
<tr>
<th>Question No.</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>Written Exam</th>
<th>Fieldwork Report</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Mark</td>
<td>12</td>
<td>8</td>
<td>12</td>
<td>8</td>
<td>12</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>8</td>
<td>90</td>
<td>10</td>
<td>100</td>
</tr>
</tbody>
</table>

Score

1. Study carefully Map 1 on page 2, and then answer the following questions.

a. Mark with a blue pen easting 33.  (1)

b. In what grid square is:
   i. Keyhaven ____________________________  (2)
   ii. Sconce Point _________________________

   c. Give the six-figure Grid References of
   i. a parking area _________________________  (2)
   ii. an information centre _________________________

   d. Write the word *spit* and *marsh* in their proper place on the map.  (2)
e. The scale of the map is 1:50000 or 1cm represents ½ km (0.5km). Use this scale to calculate the distance covered by the ferry (shown as a dotted line on the map) from GR 308914 to Hurst Castle (GR 317898).

_________________________________________________________________________

(2)

f. What type of coast do you find at Totland Bay in Grid Square 3186?

_________________________________________________________________________

(1)

g. What is the compass direction from:

i. Cliff End (3289) to Yarmouth (3589) ______________________________

ii. Totland Bay (3186) to Hurst Castle (3189) ____________________________

(2)
2. Study the Map of Asia below (Map 2) and then answer the following questions.

Map 2: Map of Asia

a. Name the countries marked by the letters A, B, C and D.

<table>
<thead>
<tr>
<th></th>
<th>Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
</tr>
</tbody>
</table>

(4)

b. Name the seas marked by the letters E, F and G.

<table>
<thead>
<tr>
<th></th>
<th>Sea</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td></td>
</tr>
</tbody>
</table>

(3)
c. Name the megacity marked by the letter H.

<table>
<thead>
<tr>
<th>Megacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
</tr>
</tbody>
</table>

(1)

3. a. The graph (Figure 1) on page 5 shows the temperature and rainfall figures of the Mediterranean region. What is this type of graph called? ____________________________ (1)

b. Underline the correct answer:

In Figure 1 on page 5, the line graph is showing the (temperature, rain), while the bar graph is showing the (temperature, rain). (1)

c. The graph in Figure 1 is incomplete. Use the data provided below to continue plotting the graph from July till December.

<table>
<thead>
<tr>
<th>Months</th>
<th>Temperature (°C)</th>
<th>Rainfall (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>27</td>
<td>0</td>
</tr>
<tr>
<td>August</td>
<td>28</td>
<td>5</td>
</tr>
<tr>
<td>September</td>
<td>24</td>
<td>20</td>
</tr>
<tr>
<td>October</td>
<td>22</td>
<td>45</td>
</tr>
<tr>
<td>November</td>
<td>18</td>
<td>60</td>
</tr>
<tr>
<td>December</td>
<td>15</td>
<td>120</td>
</tr>
</tbody>
</table>
d. Use the graph to fill in the table below.

| i. Wettest month |  |
| ii. Driest month |  |
| iii. Hottest month |  |
| iv. Coldest month |  |

4. Answer the following questions.

The photo (Figure 2) on page 6 shows the volcanic island of Stromboli in the Mediterranean.

a. Which one of the three main types of rock is being formed?

_______________________

(1)

b. Name an example of this main type of rock.
Choose from: **limestone, basalt, sandstone, clay**.

_______________________

(1)
c. Briefly explain how sedimentary rocks are formed.
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
(3)

d. Examine the photographs below (Figure 3) and then answer the following.

What evidence in each photograph suggests that the landscape shown is made up of sedimentary rocks?

Figure 2: Stromboli

Figure 3
5. Study the photo below (Figure 4) and then answer the following questions.

![Figure 4: Hurst Spit](image)

a. What is the spit made of?

b. Why is the spit curved inland at the tip?
c. Draw a labelled diagram to explain how the spit was formed.


(6)

d. What are groynes and why are they constructed along a beach?

_________________________________________________________________________

_________________________________________________________________________

(2)

e. Explain why there are usually a few buildings on the spit.

_________________________________________________________________________

_________________________________________________________________________

(2)

6. a. Define the term population density.

_________________________________________________________________________

(1)

b. How is the population density of a country calculated?

_________________________________________________________________________

(1)
c. Fill in the following sentences about population density with the words below:

crowded, low, sparsely, densely

Places with few people have a __________________ population density and so they are __________________ populated. Places that are __________________ have a high population density. These places are __________________ populated.

(4)

d. Complete the table below by working out the population density for Germany and Canada.

(2)

<table>
<thead>
<tr>
<th>Country</th>
<th>Area (km²)</th>
<th>Population</th>
<th>Population density</th>
</tr>
</thead>
<tbody>
<tr>
<td>Egypt</td>
<td>1,001,450</td>
<td>78,866,635</td>
<td>78.75</td>
</tr>
<tr>
<td>Singapore</td>
<td>697</td>
<td>4,657,542</td>
<td>6,682.27</td>
</tr>
<tr>
<td>Italy</td>
<td>301,340</td>
<td>58,126,212</td>
<td>192.89</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>243,610</td>
<td>61,113,205</td>
<td>250.86</td>
</tr>
<tr>
<td>China</td>
<td>9,596,961</td>
<td>1,338,612,968</td>
<td>139.48</td>
</tr>
<tr>
<td>Germany</td>
<td>357,022</td>
<td>82,329,758</td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>9,984,670</td>
<td>33,487,208</td>
<td></td>
</tr>
</tbody>
</table>

e. From the table above,

i. name the country which has the highest population density.

__________________________

ii. name the country which has the lowest population density.

__________________________
Figure 5: Map of Europe

a. Many people from Turkey migrate to Germany each year. On the map of Europe (Figure 5) above, mark this movement of people by drawing an arrow. (1)

b. Underline the correct answer:
   This type of migration is called (rural to urban, internal, international) migration. (1)

c. Give two reasons to explain why many Turks migrate to Germany.

____________________________________________  
____________________________________________
____________________________________________  
____________________________________________ 
(4)

d. Mention two types of jobs done by migrant workers in Germany in the 1950s and 1960s.

________________________________________________________________________  
(2)

e. Why did Germany try to stop its inflow of migrant workers in the 1980s?

________________________________________________________________________
(2)
8. Study Figure 6 below, which shows the sources of electricity in the UK.

<table>
<thead>
<tr>
<th>Source</th>
<th>% of total supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas (natural)</td>
<td>40</td>
</tr>
<tr>
<td>Coal</td>
<td>35</td>
</tr>
<tr>
<td>Nuclear</td>
<td>20</td>
</tr>
<tr>
<td>Renewables</td>
<td>4</td>
</tr>
<tr>
<td>Oil</td>
<td>1</td>
</tr>
</tbody>
</table>

**Figure 6: Sources of electricity in the UK**

a. Give the meaning of the term **renewable energy**.

__________________________________________

__________________________________________

(2)

b. What are **non-renewable** energy sources?

__________________________________________

__________________________________________

(2)

c. What evidence is there in Figure 6 to support the following statement about the UK:
The UK relies heavily on non-renewable sources of energy.

__________________________________________

__________________________________________

(2)

d. Oil, coal and gas are fossil fuels. What are **fossil fuels**?

__________________________________________

__________________________________________

(2)

e. Explain **two** ways how the use of oil may damage the environment.

__________________________________________

__________________________________________

(2)
9. Read the following passage and then answer the questions below.

Ancient mariners used sails to capture the wind and explore the world. Farmers once used windmills to grind their grains and pump water. Today, more and more people are using wind turbines to obtain electricity. Over the past decade, wind energy has increased at more than 25% a year. Still, it only provides a small fraction of the world's total energy used.

Figure 7: Wind turbine

a. Briefly explain how wind energy is produced.

________________________________________________________________________________________

________________________________________________________________________________________

(2)

b. State if wind energy is a renewable or a non-renewable form of energy? Explain why.

________________________________________________________________________________________

________________________________________________________________________________________

(2)

c. List two advantages of wind energy.

________________________________________________________________________________________

________________________________________________________________________________________

(2)

d. List two disadvantages of wind energy.

________________________________________________________________________________________

________________________________________________________________________________________

(2)