



**Answer ALL the questions. Write your answers in the spaces provided.**

1. (a) Study Figure 1 in the Resource Booklet. It gives information about the percentage of population living in cities.

The percentage of population in LEDCs living in cities changed between 1950 and 2000.

How did it change?

**Use data** in your answer.

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**(3)**

- (b) Study Figure 2 in the Resource Booklet. It is a fact file about Kolkata (Calcutta), India.

- (i) By how much did the population of Kolkata increase between 1970 and 2005?

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**(1)**

- (ii) Why did Kolkata's population grow so much?

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**(2)**



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(c) Give **two pull factors** and explain how they could have led to the migration of people into Kolkata.

Pull factor 1 .....

Explanation .....

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Pull factor 2 .....

Explanation .....

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(4)

(d) Give **two push factors** and explain how they could have led to the migration of people into Kolkata from surrounding rural areas.

**Do not use** the opposite factors to those you explained in (c).

Push factor 1 .....

Explanation .....

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Push factor 2 .....

Explanation .....

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(4)

Q1

(Total 14 marks)



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2. Study Photograph A in the Resource Booklet.

It shows a squatter settlement in Kolkata.

(a) Describe the squatter settlement shown in Photograph A.

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(3)

(b) Study Figure 2 in the Resource Booklet again.

Also look at Photograph B in the Resource Booklet which shows waste dumped in the street.

Why is waste dumped in the street?  
Refer to Figure 2 and Photograph B in your answer.

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(2)

(c) What problems would the dumping of waste like this cause for people living in Kolkata?

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(4)

(Total 9 marks)

Q2



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**3.** Study Figure 3 and Figure 4 in the Resource Booklet.

They give information about population growth and the number of households in the UK.

- (a) Between 1971 and 2021, the UK's population is expected to increase by 8 million, or 14%.

In the same period, the number of households in the UK is expected to increase by 9 million, or 47%.

The number of households is growing more rapidly than the UK's population.

Suggest why.

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**(2)**

- (b) The change in the number of households will affect waste production and management in the future.

How will it affect them?

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**(2)**

**Q3**

**(Total 4 marks)**



4. (a) Study Figure 5 in the Resource Booklet. It shows waste production in the UK, in 2003.

(i) What does **household** waste mean?

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Give **two** examples.

1 .....

2 .....

(2)

(ii) What does **commercial** waste mean?

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Give **two** examples.

1 .....

2 .....

(2)

(b) Study Figure 6 in the Resource Booklet. It gives information about municipal waste between 2003 and 2004.

(i) What is meant by the term **composting**?

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(1)



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(ii) The proportion of municipal waste that was recycled or composted changed between 2003 and 2004

**and**

the proportion of municipal waste that was disposed of in landfill sites changed between 2003 and 2004.

Compare these changes.

**Use data** in your answer.

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**(3)**

(c) Study Figure 7 in the Resource Booklet. It gives information about waste disposal and recycling.

(i) Describe the **disadvantages** of incineration as a method of waste disposal.

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**(2)**



(ii) Explain the **advantages** of landfill as a method of waste disposal.

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(3)

(Total 13 marks)

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Q4





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5. (a) Study Figure 8 in the Resource Booklet. It shows household recycling rates in England between 1997 and 2004.

(i) In which year did the recycling rate first exceed 10%?

..... (1)

(ii) Describe the change in the rate of recycling over the period shown on the graph.

**Use data** in your answer.

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..... (2)

(b) Study Figure 9 and Figure 10 in the Resource Booklet.

They are maps showing household waste recycling rates in England in 1999 and 2004.

(i) Name the regions which had a recycling rate of 10% or more in 1999.

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..... (1)





6. The City of Sunderland Council has four options for dealing with the city's waste in the future.

- Option A - To reduce the amount of waste the Council has to handle**
- Option B - To increase the sorting of waste**
- Option C - To increase the incineration of waste**
- Option D - To reduce the use of landfill sites**

Study Figure 11 in the Resource Booklet. It gives background information and details about the four options.

**Two** of these options will be chosen by the Council.

Which **two** options would be best for Sunderland?

Circle the **two** options you have chosen:

**Option A   Option B   Option C   Option D**

Explain why you have chosen these two options.

**and**

why you did not choose the other options.

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<p style="text-align: right;"><b>(Total 12 marks)</b></p> <hr/> <p style="text-align: center;"><b>TOTAL FOR PAPER: 60 MARKS</b></p> <p style="text-align: center;"><b>END</b></p>	



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