

Leave blank

1. Study Figure 3 in the Resource Booklet. It is a graph showing the resident population of Southend, 1801 – 2001, and important events in Southend’s development.

(a) By how much did Southend’s population grow

(i) between 1801 and 1881?

.....

(1)

(ii) between 1901 and 1961?

.....

(1)

(b) Give reasons for the faster population growth since 1881. Use only information from Figure 3.

.....
.....
.....
.....
.....
.....
.....
.....
.....

(4)

(Total 6 marks)

Q1



Leave
blank

2. Study Figure 4 in the Resource Booklet. It gives information about human activities on the coast at Southend.

(a) Why is tourism important to Southend?

.....
.....
.....
.....
.....
.....

(3)

(b) Why is the old town area at Leigh-on-Sea important?

.....
.....
.....
.....

(2)

(c) Why do you think the population of Southend includes a high percentage of people aged over 60?

.....
.....
.....
.....

(2)

(d) What are the advantages of living in Southend for commuters?

.....
.....
.....
.....

(2)

(Total 9 marks)

Q2



3. Study Figure 5 in the Resource Booklet. It gives information about coastal processes and their effects.

(a) (i) What does the term **weathering** mean?

.....
.....

(1)

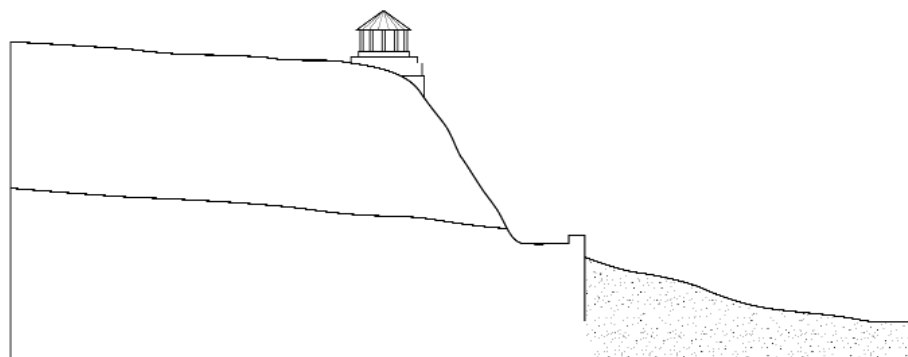
(ii) Explain **one** type of weathering.

.....
.....
.....
.....

(2)

(b) The diagram below shows the bandstand on the cliffs in Southend.

Annotate this diagram to explain why the bandstand had to be removed.



(4)



4. Study Figure 6 in the Resource Booklet. It is a graph showing the percentage of tourists visiting various attractions in Southend.

(a) (i) What is the main **physical** attraction for tourists visiting Southend?

.....
(1)

(ii) How popular is this attraction? Give data from Figure 6 in your answer.

.....

(1)

(b) Study Figure 6 again, and the maps of Southend, Figure 2 in the Resource Booklet.

Which of the following human/economic attractions listed in Figure 6 are within 1 km of Pier Hill?

Tick (✓) them in the table below.

| | |
|--|---|
| | ✓ |
| High Street Shops | |
| The Pier | |
| Adventure Island Theme Park | |
| The Amusement Arcades | |
| The Kursaal Amusements and Bowling Alley | |
| Sea Life Centre | |
| Leigh Old Town | |
| Cliffs Pavilion Theatre | |
| Museum | |

(3)





(c) The concentration of these tourist attractions within 1 km of Pier Hill has caused conflicts with some local residents.

Explain what conflicts might occur.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Leave blank

(5)

Q4

(Total 10 marks)

| | |
|--|--|
| | |
|--|--|



5. Study Figures 11 to 15 in the Resource Booklet. They show some of the engineering techniques already on the coast at Southend.

(a) Complete the following table to show whether they are hard or soft engineering techniques.

Tick the correct column for each engineering technique.

| Engineering technique | Hard | Soft |
|-----------------------|------|------|
| Sea wall | | |
| Revetment | | |
| Beach recharge | | |
| Groyne | | |

(2)

(b) Groynes help to control **longshore drift**.

What evidence is there in Figures 11 and 12 to show this?

.....
.....
.....
.....

(2)

(c) The sloping revetment is becoming less effective.

What evidence is there in Figure 13 to show this?

.....
.....
.....
.....

(2)



Leave
blank

(d) Choose **two** of the engineering techniques shown in Figures 11 to 15.

For **each** one chosen explain how it works
and
its advantages and disadvantages.
Use evidence from Figures 11 to 15 in your answer.

1

.....

.....

.....

.....

.....

.....

.....

2

.....

.....

.....

.....

.....

.....

.....

(6)

(Total 12 marks)

Q5

| | |
|--|--|
| | |
|--|--|



Leave blank

6. There are four suggested projects for managing the coastline at Southend.

| | |
|--|---------------------------|
| Project A (Figure 7 and Figure 15) | Beach recharge scheme |
| Project B (Figure 8) | Coastal defence scheme |
| Project C (Figure 9) | Pier regeneration scheme |
| Project D (Figure 10 and Figure 16) | Cliffs restoration scheme |

The council has decided it will carry out **either** Project A **or** Project B as well as **either** Project C **or** Project D.

Which projects do you think the council should choose?

Choose **either** Project A **or** Project B.

Chosen project.....

Choose **either** Project C **or** Project D.

Chosen project

Explain why you chose these two projects,

and

explain why you did not choose the others.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



