



Cambridge O Level

CANDIDATE
NAME

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CENTRE
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PAKISTAN STUDIES

2059/02

Paper 2 The Environment of Pakistan

October/November 2023

1 hour 30 minutes

You must answer on the question paper.

You will need: Insert (enclosed)
Ruler

INSTRUCTIONS

- Answer **three** questions.
- Use a black or dark blue pen.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.
- If additional space is needed, you should use the lined page at the end of this booklet; the question number or numbers must be clearly shown.

INFORMATION

- The total mark for this paper is 75.
- The number of marks for each question or part question is shown in brackets [].
- The insert contains additional resources referred to in the questions.

This document has **20** pages.

1 (a) (i) Study Fig. 1.1, a map showing southern Pakistan and surrounding countries.

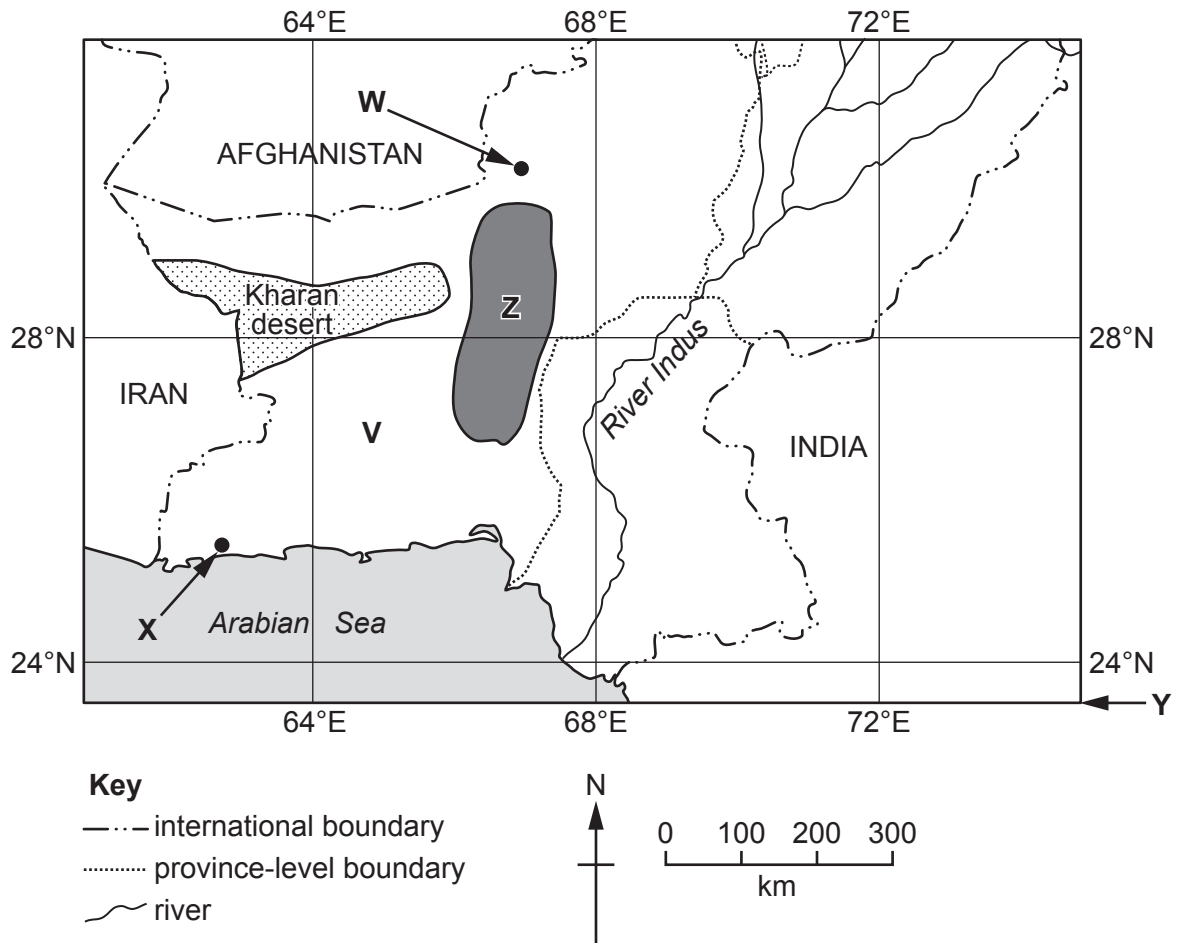


Fig. 1.1

Name the province labelled **V** and the **two** cities labelled **W** and **X** on Fig. 1.1.

V

W

X

[3]

(ii) Using Fig. 1.1 **only**:

– state the straight-line distance between city **X** and city **W**.

..... km

– state the direction of city **X** from city **W**.

.....

[2]

(iii) Identify the line of latitude labelled **Y** on Fig. 1.1.

Y

[1]

(iv) Using Fig. 1.1 **only**, describe the location of the mountains labelled Z.

.....
.....
.....
.....
.....
..... [3]

(b) (i) Define and give an example of 'natural topography'.

definition

.....

example

[2]

(ii) Explain **two** ways deserts restrict agricultural activities in Pakistan. You should develop your answer.

1

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2

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[4]

(c) Suggest **four** ways, other than agriculture, that deserts can be used by people.

1

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2

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4

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[4]

- (d) To what extent is building additional motorways and major roads in all areas of Pakistan essential for its future economic development? Give reasons to support your **judgement** and refer to examples you have studied. You should consider **different** points of view in your answer.

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..... [6]

[Total: 25]

- 2 (a) (i) Study Fig. 2.1 and Fig. 2.2, climate graphs showing rainfall and temperature for Multan and Lahore.

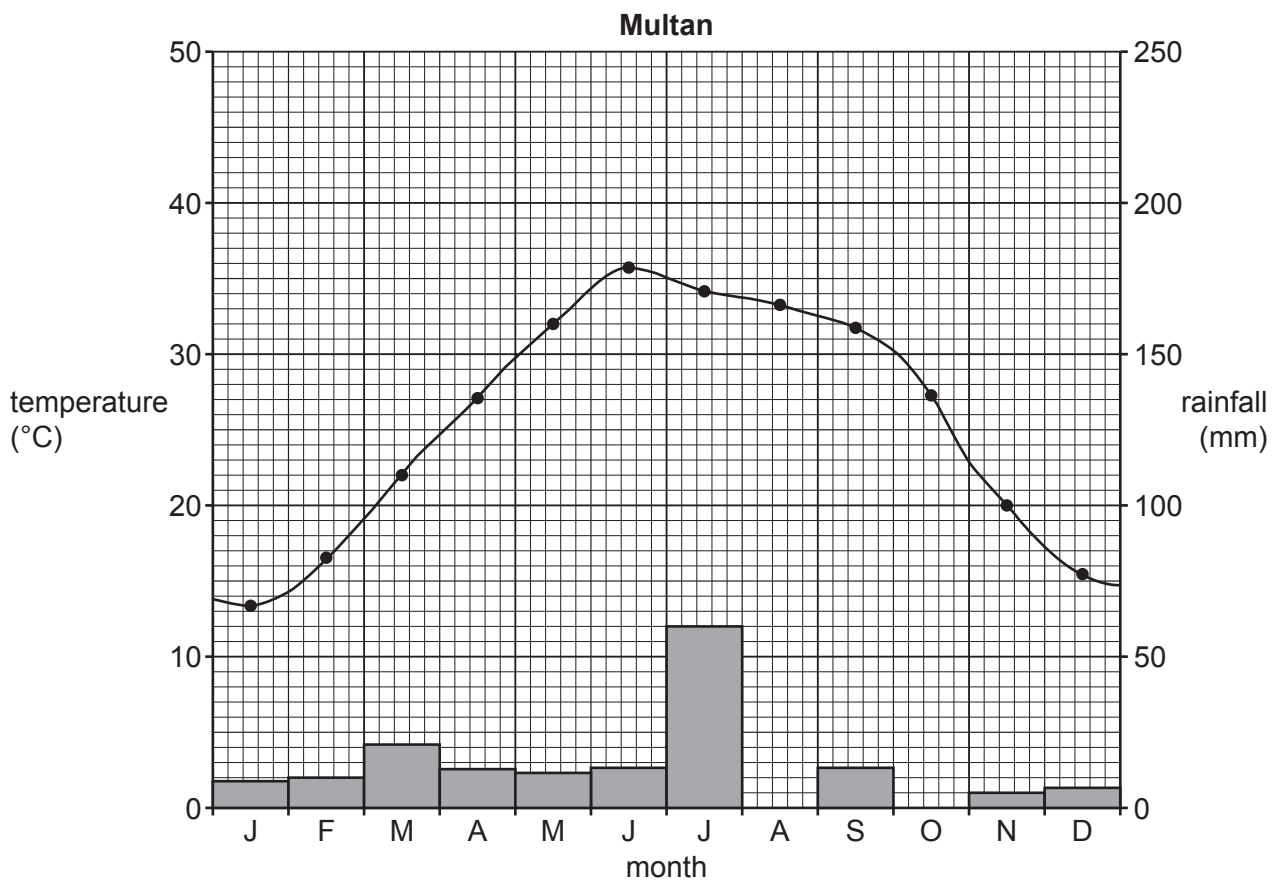


Fig. 2.1

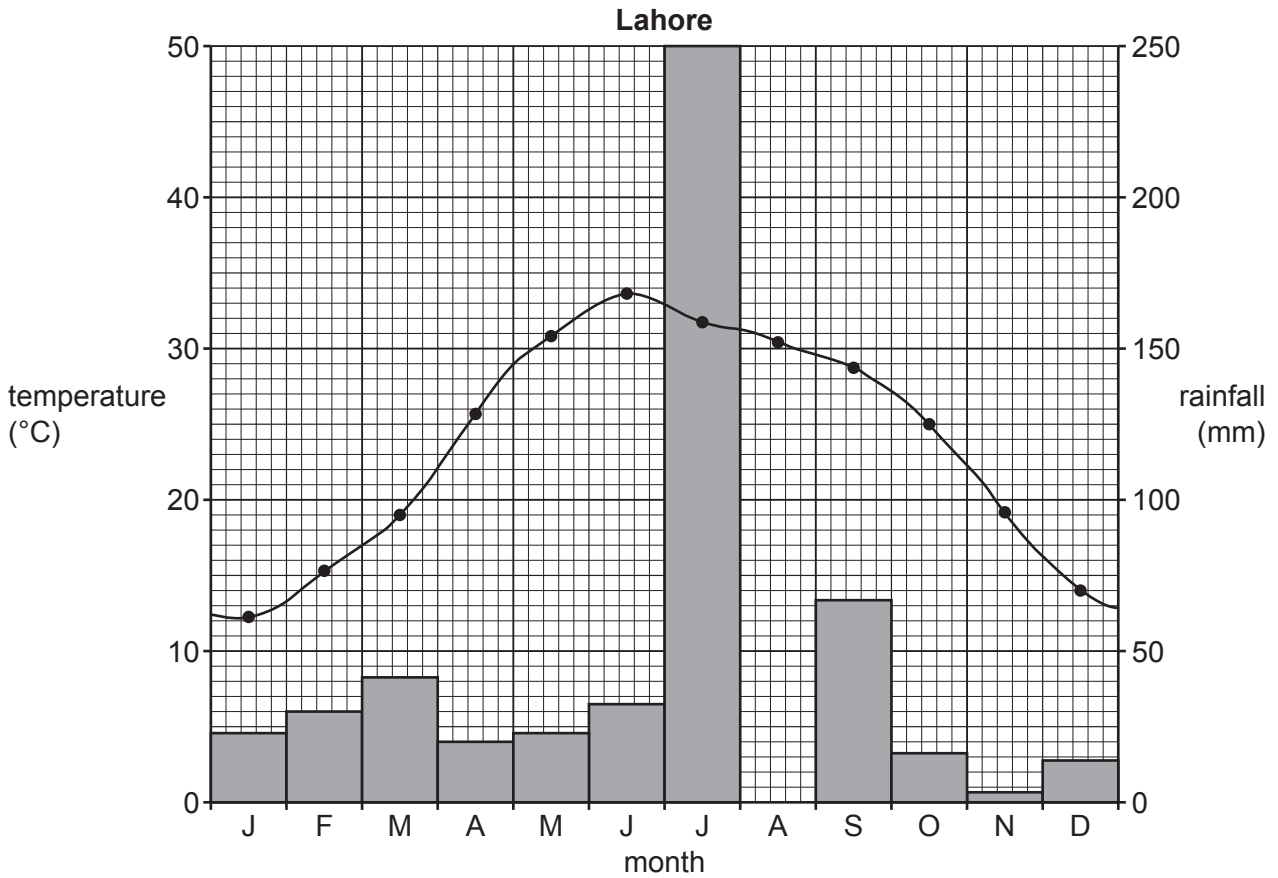


Fig. 2.2

Complete Fig. 2.1 and Fig. 2.2 to show the rainfall for Multan and Lahore in August using the information below.

	rainfall (mm)
Multan	35
Lahore	175

[2]

- (ii) Using Fig. 2.1 and Fig. 2.2 **only**, compare the climate of Multan with the climate of Lahore.

.....

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..... [3]

(iii) What type of climate region does Fig. 2.2 show? Suggest **one** reason for your answer.

climate region

reason

..... [2]

(b) (i) State **three** factors that affect temperature in Pakistan.

1

2

3

[3]

(ii) Describe the distribution of convectional rainfall and monsoon rainfall across Pakistan.

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..... [3]

(iii) Explain the causes of the monsoon in Pakistan. You should develop your answer.

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..... [4]

- 3 (a) (i) Study Fig. 3.1 (Insert), a map showing natural vegetation types found in southern Pakistan.

Using Fig. 3.1 **only**, describe the distribution of riverain forest / bela.

.....

.....

.....

.....

.....

..... [3]

- (ii) Study Fig. 3.2 (Insert), a photograph showing a type of vegetation found in Pakistan.

Identify the type of vegetation shown in the photograph. **Circle** the correct answer.

evergreen forest mangrove tropical thorn / rakh [1]

- (iii) Using Fig. 3.2 (Insert) **only**, describe **two** characteristics of the type of vegetation shown.

1

.....

2

..... [2]

- (b) (i) Barrages have been built on many rivers. Name **two** barrages in Pakistan.

1

2

[2]

- (ii) Suggest how barrages can be useful to farmers.

.....

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..... [3]

(c) (i) Name **two** types of fish caught in each of Pakistan's marine waters and inland waters.

marine waters	inland waters
1	1
2	2

[2]

(ii) Fish are used for food. State **two** other uses of fish.

1

2

[2]

(iii) Explain **two** improvements made in fish processing techniques in Pakistan. You should develop your answer.

1

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2

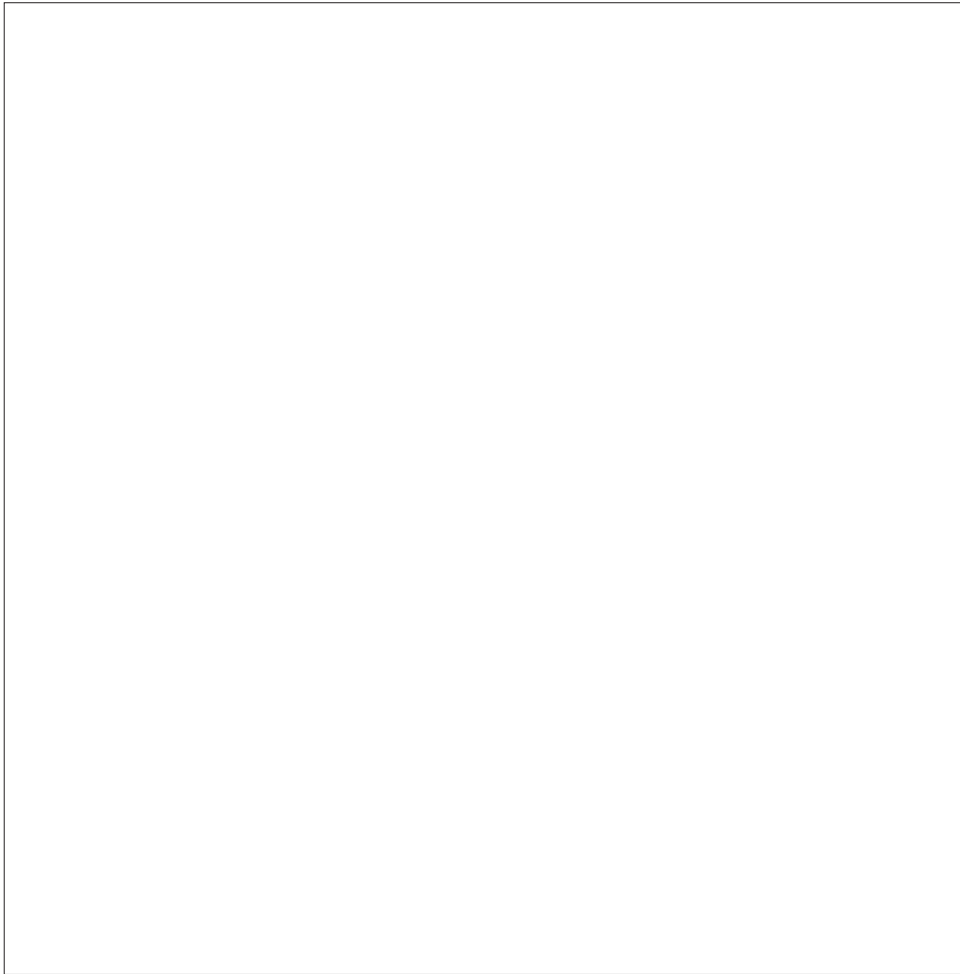
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[4]

4 (a) (i) Draw a labelled diagram to show how natural gas is extracted.



[4]

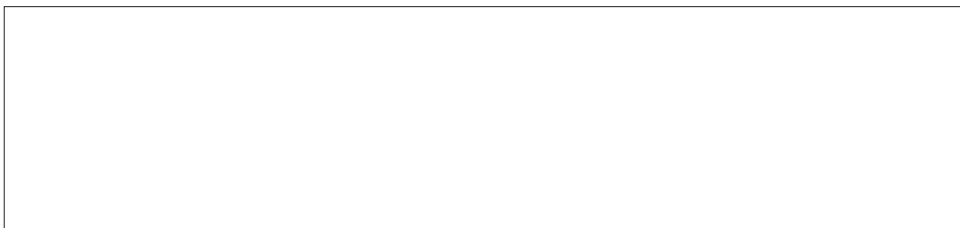
(ii) State **one** way natural gas is transported in Pakistan.

..... [1]

(iii) In 2020 Pakistan had approximately 19 000 000 MMcf of gas reserves and gas consumption was 1 600 000 MMcf per year.

MMcf = million cubic feet.

Calculate how many years of gas reserves Pakistan had at the rate of consumption in 2020. Show your working in the box below.



[2]

(b) Study Fig. 4.1, a diagram showing three types of renewable energy.

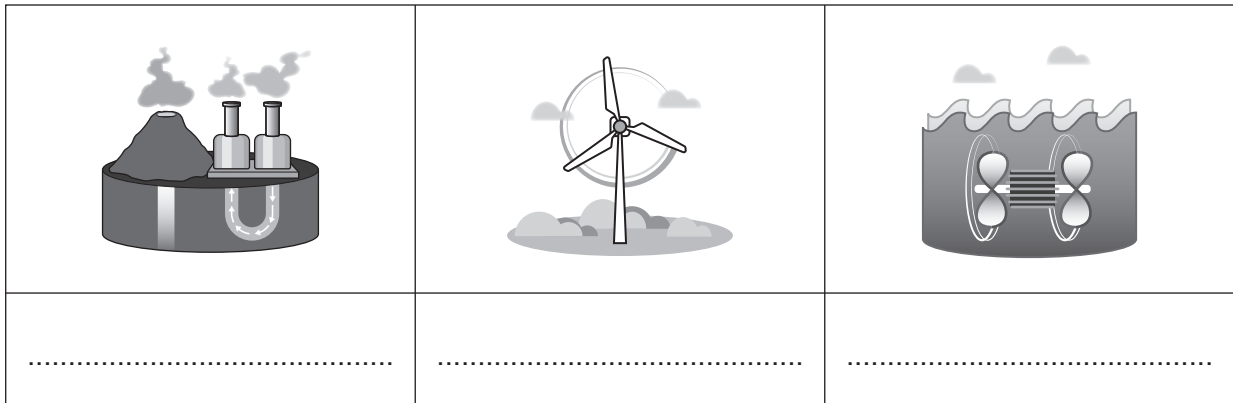


Fig. 4.1

Complete the boxes in Fig. 4.1 by naming each type of renewable energy.

[3]

(c) (i) Study Fig. 4.2 (Insert), a photograph showing a solar farm in Pakistan.

Using Fig. 4.2 **only**, describe the features of the solar farm shown.

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..... [3]

(ii) Explain how electricity can be generated from solar power. You should develop your answer.

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..... [4]

(iii) State **two** disadvantages of using solar power as a method of generating electricity.

1

2

..... [2]

5 (a) (i) Define 'tertiary industry'.

.....
 [1]

(ii) State **two** job types found in the formal sector and the informal sector of the tourism industry.

formal sector	informal sector
1	1
2	2

[4]

(iii) Describe **two** disadvantages of working in the informal sector.

1

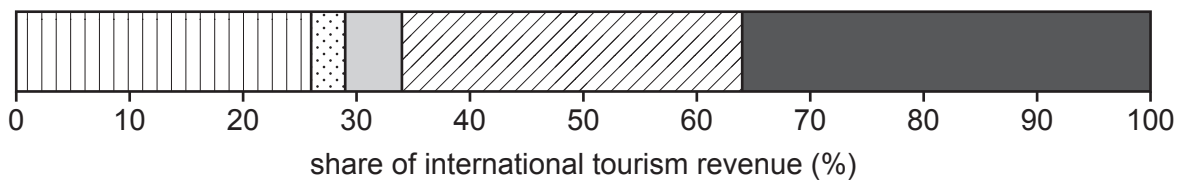
.....

2

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[2]

(b) Study Fig. 5.1, a divided bar graph showing the international tourism revenue for different world regions in 2017 as a percentage of the world total.



Key

Americas
 Africa
 Middle East
 Asia-Pacific
 Europe

Fig. 5.1

Using Fig. 5.1 **only**:

– which region had the highest percentage of the world total?

.....

– which region accounted for 3% of the world total?

.....

– what percentage of the world total was accounted for by the Asia-Pacific region?

.....%

[3]

(c) (i) Study Fig. 5.2 (Insert), a photograph showing a tourist attraction in Pakistan.

Describe **two** attractions to tourists of the area shown.

1

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2

.....

[2]

(ii) Name and describe **three** cultural attractions of Pakistan.

1

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2

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3

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[3]

(iii) Explain the importance of television and the internet to Pakistan’s tourist industry. You should develop your answer.

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[4]

