



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

PAKISTAN STUDIES

0448/02

Paper 2 The Environment of Pakistan

For Examination from 2010

SPECIMEN MARK SCHEME

1 hour 30 minutes

MAXIMUM MARK: 75

This document consists of **3** printed pages and **1** blank page.

(a) Study Fig.1, which shows the climate of Misgar in the Karakoram Mountains.

(i) In which month is the highest precipitation? [1]

May

(ii) How much precipitation falls in this month? [1]

25mms

(iii) For how many months is the precipitation more than 9 mms? [1]

6

(iv) Describe the temperature changes through the year [3]

below zero January, February and December
lowest of -7°C in January
increases to 19°C in August
decreases to zero in November

(b) Explain why the precipitation increases in July and August. [4]

Caused by the monsoon
Humid air from the Bay of Bengal
Where air pressure is high
Moving from the east or north-east
Towards a low pressure area over the mountains
Caused by heating of the land
Air rises
Moisture condenses
Clouds form

(c) (i) Explain how farming and industry is affected by the climate and topography of mountain areas such as the Karakorams. You should use your knowledge of mountain areas and figures from Fig. 1 in your answer. [6]

Farming
Transhumance farming due to mountainous topography
Fruit growing in mountain valleys due to milder climate
Terracing of slopes to increase flat land for crop growing in valleys
Storage of food for animals through the winter due to cold temperatures
Lack of water in winter due to sub-zero temperatures
Industry
Small-scale due to difficult access through mountains
Cottage industries due to cold temperatures in winter

[Max 3 if an answer only considers farming or industry]

(ii) Explain why travel by land and air is difficult in mountainous areas. [4]

Roads and railways blocked especially in winter
Surface damaged by ice and snow
Steep slopes
Flooding
Air travel needs runways
Fog and ice limits air travel

(d) What are the advantages and disadvantages of developing tourism in mountain areas? [5]

Advantages

Increase local incomes
Increase local infrastructure
Opportunities for development
Maintenance of local environment
Preservation of local culture

Disadvantages

Cost of development
Loss of local culture
Small scale clearing of land
May not be successful

[Max 3 if an answer only considers advantages or disadvantages]

[Total: 25]

