



RIVER VALLEY HIGH SCHOOL
General Certificate of Education Advanced Level
Promotional Examination 2023
Higher 2

GEOGRAPHY

9173

Combined Paper

28 September 2023
2 hours 45 minutes

Additional Materials: Answer Booklet
 1 Insert

READ THESE INSTRUCTIONS FIRST

Write your name, admission number and class on all the work you hand in.
Write in dark blue or black pen on both sides of the paper.
You may use a soft pencil for any diagrams, graphs, or rough working.
Do not use staples, paper clips, highlighters, glue or correction fluid.

Section A

- Answer **all** questions.

Section B

- Answer **one** question.

The Insert contains all the Resources referred to in the questions.
You should make reference to appropriate examples studied in the field or the classroom, even where such examples are not specifically required by the question.
Diagrams and sketch maps should be drawn whenever they serve to illustrate an answer.
You are reminded of the need for good English and clear presentation in your answers.

At the end of the examination, attach any additional writing paper in the answer booklet securely.
The number of marks is given in brackets [] at the end of each question or part question.

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



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Section A
Answer **both** questions

Cluster 1: Development, Economy and Environment

- 1 Resource 1 shows the extent of coral bleaching at the Great Barrier Reef, Australia in 2016. Resource 2 shows an illustrative diagram of the cumulative pressures on coral reefs in the Great Barrier Reef from 1800 to 2100. Resource 3 shows the change in cereal production, yield, land use and population in India between 1961 and 2021.
 - (a) Citing data from Resource 1, describe the pattern of coral health in the Great Barrier Reef in 2016. [6]
 - (b) Explain three different types of ecosystem services that the Great Barrier Reef could potentially provide. [6]
 - (c) Citing data from Resource 2, describe the change in pressures on the Great Barrier Reef between 1800 and 2100. [4]
 - (d) With reference to Resource 2, explain how human activities have affected the Great Barrier Reef's ability to provide ecosystem services. [4]
 - (e) With reference to Resource 3, explain how the views of Ester Boserup can help to account for the change in cereal yield and agricultural land use in India between 1961 and 2021. [4]
 - (f) Using examples, explain the limitations of Boserup's views on the resource base. [6]

- 2 Resource 4 shows oil and natural gas production in Europe in 2021. Resource 5 shows oil and gas fields in the North Sea. Resource 6 shows an infographic of the annual revenue and number of employees of the world's 10 biggest oil and gas companies in 2012. Resource 7 shows a diagram of a typical oil rig in the North Sea.
 - (a) Using examples, explain what is meant by a renewable and a non-renewable resource. [4]
 - (b) Cite data from Resource 4 to compare oil and natural gas production in Europe in 2021. [4]
 - (c) Citing data from Resource 5, describe the distribution of oil and gas fields in the North Sea. [4]
 - (d) With reference to Resources 4 and 5, suggest reasons for Norway's level of oil and natural gas production in Europe in 2021. [4]
 - (e) Explain the characteristics of extractive industries such as those in oil and gas sectors shown in Resources 5, 6 and 7. [7]
 - (f) Explain the possible impacts of extractive industries on countries' pursuit of sustainable development. [7]

Section B

Answer **either** question 3 or question 4.

Cluster 1: Development, Economy and Environment

- 3 Evaluate the impacts of Global Production Networks (GPNs) of Transnational Corporations (TNCs) on host economies. [20]
- 4 Evaluate the influence of states over the operations of TNCs. [20]

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