

BINDURA UNIVERSITY OF SCIENCE EDUCATION  
FACULTY OF SCIENCE EDUCATION  
DEPARTMENT OF CURRICULUM AND EDUCATIONAL MANAGEMENT STUDIES  
DIPLOMA IN MATHEMATICS AND GEOGRAPHY EDUCATION  
DG001 (2): PHYSICAL GEOGRAPHY

DURATION: 3 HOURS

TOTAL MARKS: 75

INSTRUCTIONS TO CANDIDATES

1. Answer any three questions.
2. Each question should begin on a new page
3. Each question carries 25 marks.
4. Use illustrations and diagrams where relevant.

APR 2025

- 
1. Explain why the process of sea floor spreading only occurs at some tectonic plate boundaries. (25)
  2. (a) Define the term air mass (2)  
(b) Describe the characteristics of the following air masses;  
(i) Equatorial continental (TC) (5)  
(ii) Tropical maritime (TM) (5)  
(iii) Polar continental (PC) (5)  
(c) Describe, using a diagram the weather conditions associated with a warm front. (8)
  3. Discuss the effects of the greenhouse effect on human activities. (25)
  4. Explain the factors that influence the rate and type of river erosion. (25)
  5. Explain five characteristics of natural hot desert vegetation. (25)