

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE AND ENGINEERING

**DEPARTMENT OF GEOGRAPHY
DIPLOMA IN SCIENCE EDUCATION (GEOGRAPHY)
DG 006: GEOMORPHOLOGY**

NOV 2024

EXAMINATION

TIME: 3 HOURS

ANSWER ANY THREE QUESTIONS. USE ILLUSTRATIONS AND DIAGRAMS WHERE RELEVANT. MARKS FOR EACH QUESTION ARE INDICATED IN BRACKETS []

1. (a) Differentiate between physical weathering and chemical weathering [10]
(b) Climate is the main factor that influences the nature and rate of weathering. How far do you agree? [15]
2. (a) Outline the main characteristics of Limestone rocks [10]
(b) Explain the development of karst topography [15]
3. (a) Account for the distribution of volcanic hotspots and earthquake-prone areas [10]
(b) Outline the effects of earthquakes and volcanoes [15]
4. (a) Draw a fully-labelled mature soil profile and describe the different [10]
(b) Describe any five soil forming processes [15]
5. (a) Give three examples of (i) Oceanic plates
(ii) Continental plates
(iii) Both Continental and Oceanic [10]
(b) Explain the formation of landforms at subduction zones [15]