



FACULTY OF SCIENCE

DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL MANAGEMENT & ENERGY STUDIES

MODULE **16GGR20047**
GEOMORPHOLOGY

CAMPUS **APK**

EXAM **January 2017**

Date: 11 January 2017

Session: 08:00 – 11:00

ASSESSOR(S)

Dr. J. Fitchett

INTERNAL MODERATOR

Ms. M. Rabumbulu

EXTERNAL MODERATOR

Dr. J. Le Roux

DURATION **3 HOURS**

MARKS **100**

NUMBER OF PAGES: 3 Pages

Answer all questions as per instruction

QUESTION 1: DEFINITIONS

- a) Braided river
- b) Permafrost
- c) Mass wasting
- d) Aeolian transport
- e) Adiabatic lapse rates

[20]**QUESTION 2: SHORT QUESTIONS**

Identify each of the features indicated in the photograph. Briefly explain their geomorphic formation. Discuss their significance in understanding past climates.



c)



[30]

QUESTION 3: ESSAY QUESTIONS

Select **ONE** question.

- a) Identify five key scientists responsible for the development in geographic thought. Outline their contribution to the field of geomorphology, any previous hypotheses which they challenged, and comment on the degree to which their theories remain accepted.

OR

- b) Discuss the difficulties in using cold-climate geomorphological features in southern Africa to reconstruct the climatic conditions during the Last Glacial Maximum and throughout the Holocene.

[50]

SUB-TOTAL [50]

TOTAL: [100]
