

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE EDUCATION

DEPARTMENT OF CURRICULUM AND EDUCATIONAL MANAGEMENT STUDIES

DIPLOMA IN MATHEMATICS AND GEOGRAPHY EDUCATION

DG001 (1): PHYSICAL GEOGRAPHY

OCT 2023

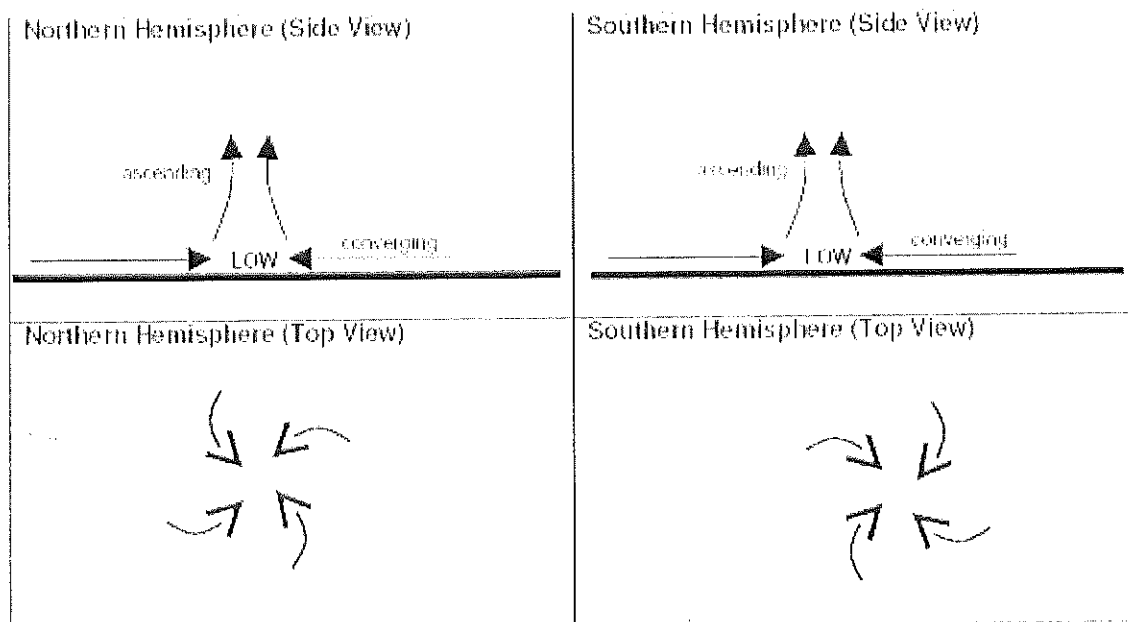
DURATION: 2¼ HOURS

TOTAL MARKS: 75

INSTRUCTIONS TO CANDIDATES

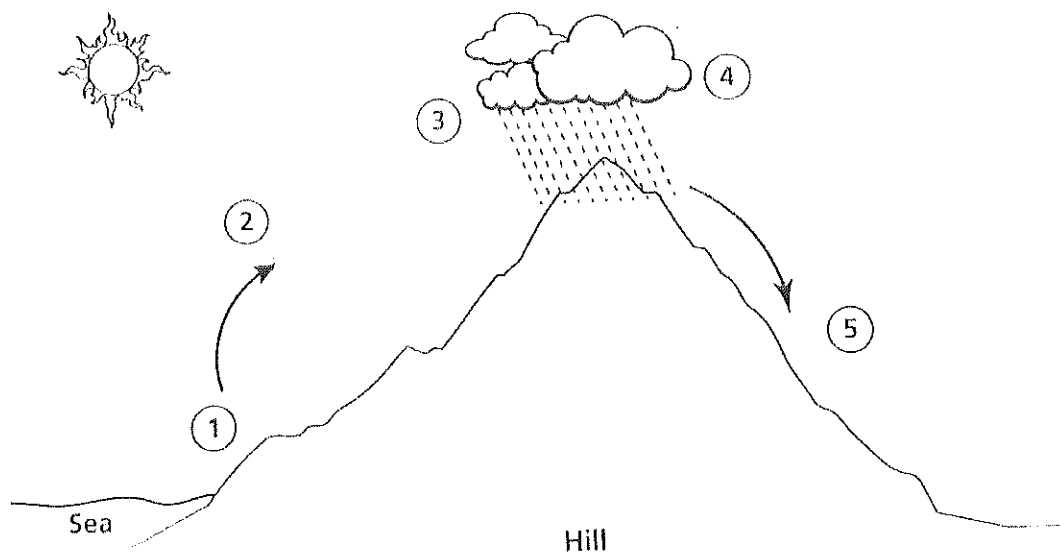
1. Answer any three questions.
2. Each question should begin on a new page
3. Each question carries 25 marks.
4. Use illustrations and diagrams where relevant.

1. Discuss the importance of the Plate tectonics theory in explaining theory in explaining Earth movements. (25)
2. Figure 1 below shows wind movement around a low pressure system in the northern and southern hemispheres respectively.



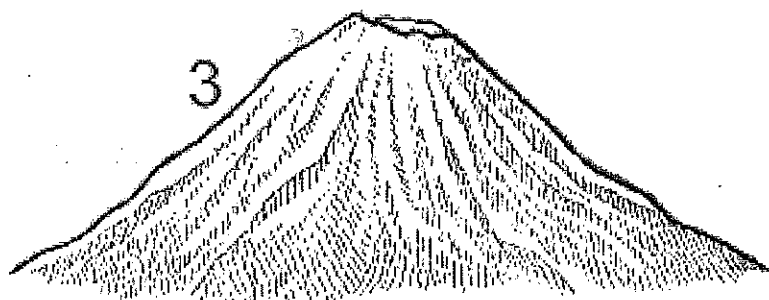
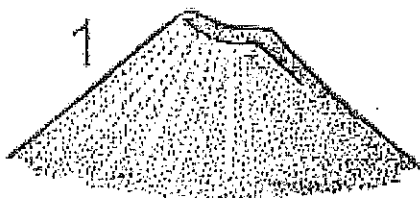
- a) Name the low pressure system. (01)
- b) Describe and explain the movement of wind around the pressure systems in the two hemispheres. (15).
- c) Discuss any three impacts of the Greenhouse effect on human activities. (09).

3. The diagram below shows a type of rainfall.



- a) What is the name of the type of rainfall? (01)
- b) Label the processes 1-5. (05)
- c) Explain the formation of the given type of rainfall. (10)
- d) Explain any 3 factors which affect the rate of run-off. (09)

4. Diagrams 1 to 3 below show different types of volcanos.



- a) Name the Volcanos 2 and 3. (02)
- b) Explain the differences in the shapes of Volcanos 2 and 3. (15)
- c) Give any four benefits and any four negative effects of volcanic activity on human activities. (08)
- 5 (a) Explain the factors that influence the rate and type of river erosion. (15)
- (b) Discuss the influence of human activities on the occurrence of mass movement. (10)

END OF PAPER