

**BINDURA UNIVERSITY OF SCIENCE EDUCATION**

**FACULTY OF SCIENCE**

**DEPARTMENT OF GEOGRAPHY**

*AUG 2024*

**BACHELOR OF SCIENCE EDUCATION DEGREE IN GEOGRAPHY**

**GG 311: CLIMATOLOGY**

**EXAMINATIONS**

**TIME 2 1/4 HOURS**

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

1. With the aid of diagrams, explain the development of the tricellular model of atmospheric circulation. [25]
2. Describe the characteristics of air masses. [25]
3. Explain the factors which control atmospheric motion. [25]
4. Examine the differences between an anticyclone and a cyclone. [25]
5. Examine the weather conditions associated with stability and instability of the atmosphere. [25]