

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE AND ENGINEERING

DEPARTMENT OF GEOGRAPHY

BACHELOR OF SCIENCE HONOURS DEGREE IN EDUCATION (HBScED)

BACHELOR OF SCIENCE DEGREE IN EDUCATION (BScED)

GG 412: HYDROLOGY AND WATER MANAGEMENT

JAN 2025

EXAMINATION

TIME: 2 HOURS 15 MINUTES

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

1. Assess the role of institutions in ensuring sustainable water resources management [25]
2. Examine the causes and effects of water scarcity in the city of Harare [25]
3. Account for the causes of short-term and long-term variations in river discharge [25]
4. (a) Describe the hydrological cycle as a cascading system [10]
(b) How do human activities influence storages of water in the hydrological cycle [15]
5. Explain the various strategies used to manage water resources in Zimbabwe [25]