

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCES
DEPARTMENT: NATURAL RESOURCES
PROGRAMME: BSc NATURAL RESOURCES MANAGEMENT

COURSE CODE: NR 412/ES415 (1): RISK AND DISASTER MANAGEMENT

DURATION: 2 HOURS

TOTAL MARKS: 70

INSTRUCTIONS TO CANDIDATES

NOV 2024

Answer *Three* questions out of the following five questions. You must answer question *One* from Section A and any *Two* questions from Section B.

SECTION A (COMPULSORY)

1. (a) Evaluate the usefulness of the following in environmental disaster management:
 - i. Media, [10 Marks]
 - ii. Environmental disaster education. [10 Marks]
- (b) Describe the roles and responsibilities of any five stakeholders involved in community-based approach to disaster management. [10 Marks]

SECTION B

2. Summarize the various phases of the disaster management cycle. [20 Marks]
3. Discuss how human activities can enhance the occurrences of disasters. [20 Marks]
4. "Indigenous knowledge systems play an important role in disaster Management". Discuss. [20 Marks]

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PROGRAMME: BSc FORESTRY AND ENVIRONMENTAL MANAGEMENT
COURSE CODE: NRF 421(1): Social Forestry

EXAM NOV 2024

DURATION: 2 HOURS

TOTAL MARKS: 70

INSTRUCTIONS

Answer **Three** questions out of the following five questions. You must answer question **One** from Section A and any **Two** questions from Section B.

SECTION A (COMPULSORY)

1. (a) Differentiate between the following:
 - i. Adoption and adaptation [2 Marks]
 - ii. Demonstration and field day [2 Marks]
 - iii. Early adopter and late adopter [2 Marks]
 - iv. Regulative and protective function of forests [2 Marks]
- (b) Outline the benefits of social forestry. [10 Marks]
- (c) Explain the role of indigenous knowledge systems in social forestry. [12 Marks]

SECTION B

2. (a) Outline the importance of mainstreaming gender in social forestry programmes. [10 Marks]
- (b) Explain factors that determine the most appropriate form of participation. [10 Marks]
3. Sustainable development goals consider food security, poverty Alleviation, environmental sustainability and climate action. Discuss how these goals can be achieved through social forestry interventions. [20 Marks]
4. Public participation hinders efficient, professional and development work in joint forest management. Discuss. [20 Marks]
- 5 (a) Explain using examples, key characteristics of adult learning. [10 Marks]
- (b) Using examples, explain the typology of participatory forest programs. [10 Marks]

END OF PAPER