



# **MACHAKOS UNIVERSITY**

**University Examinations for 2019/2020 Academic Year**

**SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT**

**DEPARTMENT OF ENVIRONMENTAL SCIENCES**

**FOURTH YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR**

**BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCES CONSERVATION)**

**BACHELOR OF ENVIRONMENTAL STUDIES (COMMUNITY DEVELOPMENT)**

**EPM 464: DISASTER PREPAREDNESS AND MANAGEMENT**

**DATE: 22/1/2021**

**TIME: 8.30-10.30 AM**

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**INSTRUCTIONS:**

**Answer question ONE and any other TWO questions**

**QUESTION ONE (30 MARKS) (COMPULSORY)**

- a) Using examples, explain the difference between
- i. hazard and disaster (4 marks)
  - ii. resistance and resilience (4 marks)
- b) Explain the key objectives of the National Policy on Disaster Management in Kenya (12 marks)
- c) Discuss the role FIVE stakeholders involved in the formulation of policy to respond to disasters would play (10 marks)

**QUESTION TWO (20 MARKS)**

Discuss the phases of disasters and briefly explain how the stages of disaster management address each phase

**QUESTION THREE (20 MARKS)**

Discuss the principles of ethics observed by Kenyan authorities when responding to disasters

**QUESTIONS FOUR (20 MARKS)**

Discuss FIVE theories that inform disaster management models

**QUESTION FIVE (20 MARKS)**

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Using examples, discuss FIVE classifications of natural disasters