

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF DIPLOMA IN DISASTER MANAGEMENT**

**DIMA 0233: EARLY WARNING SYSTEMS**

**STREAMS:**

**TIME: 2 HOURS**

**DAY/DATE: MONDAY 20/09/2021**

**2.30 P.M – 4.30 P.M**

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**INSTRUCTIONS**

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

**QUESTION ONE (30 MARKS)**

(a) Define the following terms;

- |                               |           |
|-------------------------------|-----------|
| (i) Disaster                  | [2 marks] |
| (ii) Early warning systems    | [2 marks] |
| (iii) Drought warning systems | [2 marks] |
| (iv) Hazard                   | [2 marks] |
| (v) Disaster preparedness     | [2 marks] |

(b) Identify and explain FIVE communication methods and how they can be used as part of an early warning system. [10 marks]

(c) Discuss FIVE disasters that Kenya experiences. [10 marks]

**QUESTION TWO (20 MARKS)**

(a) Explain FOUR main elements of an early warning system. [12 marks]

(b) Discuss FOUR ways through which the public can participate in making early warning systems effective. [8 marks]

**QUESTION THREE (20 MARKS)**

- (a) Explain SIX guiding principles of early warning systems at local and national levels. [12 marks]
- (b) Discuss FOUR major types of approaches that can be used to educate the public and raise risk awareness. [8 marks]

**QUESTION FOUR (20 MARKS)**

- (a) Explain FIVE guiding principles of early warning at International and Regional levels. [10 marks]
- (b) Discuss FIVE reasons why a drought early warning system is important. [10 marks]

**QUESTION FIVE (30 MARKS)**

Most major disasters in Kenya could be prevented or their impacts could be lessened if there were effective early warning systems in place. Using clear examples, and drawing from FIVE types of disasters, discuss this statement exhaustively. [20 marks]

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