



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

THIRD YEAR EXAMINATION FOR THE AWARD OF THE DEGREE
OF BACHELOR OF SCIENCE IN NATURAL RESOURCES MANAGEMENT &
BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE
FIRST SEMESTER 2022/2023
(SEPTEMBER - DECEMBER, 2022)

NARE 350: WATERSHED MANAGEMENT

STREAM: Y3 S1

TIME: 2 HOURS

DAY: MONDAY, 12:00 P.M – 2:00 P.M

DATE: 05/12/2022

INSTRUCTIONS:

- 1. Do not write anything on this question paper.***
- 2. Answer Question ALL Questions in section A (Compulsory) and any other TWO Questions in section B.***

SECTION A: (40MARKS)

1. Define the term watershed (5marks)
2. Explain the following terms as used in watershed management (10marks)
 - a. Water tower
 - b. Mille watershed
 - c. Contour bunding
 - d. Macro watershed
 - e. Terracing
3. What are *Vegetative/ Agronomical measures*. (10marks)

4. Give a brief description of various measures adopted under soil and water harvesting. (10marks)
5. List and explain the three objectives of watershed management. (5marks)

SECTION B. (30MARKS)

6. Discuss any 5 Good practices in watershed management. (15marks)
7. Discuss *Engineering measures/ Structural practices used in watershed management.* (15marks)
8. Discuss the Principles of watershed management. (15marks)