# BINDURA UNIVERSITY OF SCIENCE EDUCATION

## FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

### DEPARTMENT: NATURAL RESOURCES

### PROGRAMME: BSc

### NR 402: AGROFORESTRY

OCT 2023

**DURATION: 2 hrs**                                    **TOTAL MARKS: 70**

## INSTRUCTIONS TO CANDIDATES

Answer THREE questions out of the following five questions.  You must answer question ONE from SECTION A and any TWO questions from SECTION B.

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## SECTION A (COMPULSORY)

1. a) Define the following terms as they are used in Agroforestry:
   i.     Coincidence
   ii.    Concomitant
   iii.   Intermittent
   iv.    Interpolated
   v.     Separate                                    **[2 x 5 Marks]**

   b) Describe following agroforestry systems:
   i.     Alley Cropping                              **[10 Marks]**
   ii     Silvo pasture                               **[10 Marks]**

## SECTION B

2. a) Giving examples, explain the term participation as it is used in agroforestry.
                                                      **[5 Marks]**

   b) Discuss the constraints of participation in agroforestry.    **[15 Marks]**

3. a) Describe the advantages of practicing agroforetry
                                                      **[10 Marks]**

   b) Explain the five steps in agroforestry extension training process.
                                                      **[10 Marks]**

4. Discuss the characteristics of desirable agroforestry tree species
                                                      **[20 Marks]**

5. Examine the criteria for establishing a good agroforestry design
                                                      **[20 Marks]**

### END OF PAPER