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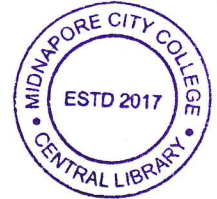
M.Sc. Semester-I Examination, 2022
(AGRICULTURE) IN AGRONOMY
PAPER: AGRON 505
(CONSERVATION AGRICULTURE)

Full Marks: 50   **Time: 2 Hours**

GROUP-A

1. Answer any <u>FIVE</u> questions from the following: **5 X 2 = 10**

    a. Define CA.
    b. What are the objectives of CA?
    c. Why bed planting is important in Crop Establishment Technique?
    d. What is dibbling?
    e. Define zero tillage.
    f. Give any five multipurpose trees botanical name along the uses.
    g. What do you mean by agroforestry?
    h. Define cover crop?

GROUP-B

2. Answer any <u>FOUR</u> questions from the following: **4 X 5 = 20**

    a. Explain constrains of CA.
    b. Discuss CET.
    c. What do you understand by surface seeding?
    d. Explain kera and pora method of sowing.
    e. Explain the principles of CA.
    f. What are the major challenges against the adaptation of agroforestry?
    g. Briefly explain the residue management in CA.
    h. Discuss Carbon sequestration.

GROUP-C

3. Answer any <u>TWO</u> questions from the following: **2 X 10 = 20**

    a. Discuss global and Indian scenario of CA.
    b. Explain Benefits of CA in modern agriculture.
    c. Briefly discuss the potential of CA in rainfed/dryland agriculture system. What are the major challenges against adaptation of CA in rainfed agriculture?   (6+4)
    d. Why agroforestry is important? What are the major types of agroforestry? Briefly describe the benefits of agroforestry?   (3+2+5)

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