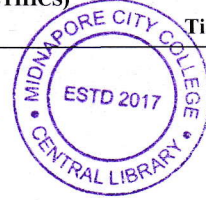


**M.Sc. Semester-III Examination, 2022**

(Agriculture) in Agronomy

PAPER: PGS 304 (Theory)

**(RESEARCH VALUE AND ETHICS)****Full Marks: 80****Time: 2 Hours****GROUP-A****1. Answer any FIVE questions from the following:****2X5 = 10**

- Define ethics.
- Objectives of research ethics.
- Who was considered as 'Father of Field Plot method of Experimentation'?
- Mandates of ICAR.
- Mention the 3 R's in scientific and teaching activities.
- What do you mean by rural development?
- What do you know about NGO's?
- How do you protect the environment for pest management

**GROUP-B****2. Answer any FOUR questions from the following:****5X4 = 20**

- Briefly explain major study areas of ethics.
- Explain "Principle of Vegetation".
- Briefly explain 'Humus theory'
- Briefly explain 'Whistle-Blower'.
- Discuss 'Field plot techniques of experimentation'.
- Ethics in the conduct of agricultural research.
- Discuss IPR.
- Write the role of Global Agricultural Research System (GARS) in reducing poverty.

**GROUP-C****3. Answer any TWO questions from the following:****10X2 = 20**

- Mention various outcomes of CGIAR research projects.
- Discuss the 4 strategies of rural development programme after independence along with example. Name any two Community Development Programme in India. (8+2)
- Explain the Panchayat Raj institutions in rural development programme.
- Discuss the problems in implementation of rural development programme.
- Write your suggestions on how to increase the livelihood status of the Farming Community. Which integration is urgently required in GARS?

**(Home Centre Exam. - Assignments: 10 x 2=20, Viva-voce: 05, Attendance: 05)**

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