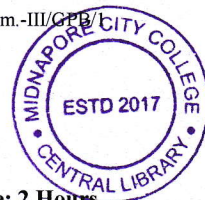


PG
M.Sc. Semester-III Examination, 2022
(Agriculture) in Genetics and Plant Breeding
PAPER: PGS 304 (Theory)
(RESEARCH VALUE AND ETHICS)



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)