

Total page: 01

PG (Agriculture)
M.SC. Semester- III Examination, 2023
GENETICS AND PLANT BREEDING
PAPER: PGS 304
(RESEARCH VALUE AND ETHICS)



Full Marks: 50

Time: 2 Hours

The figures in the right-hand margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

GROUP-A

1. Answer any **FIVE** questions from the following: 2×5=10
- a) Define 'slash and burn' cultivation
 - b) Objectives of research ethics.
 - c) Who was considered as 'Father of Field Plot method of Experimentation'.
 - d) Mandates of ICAR.
 - e) Why livelihood status of farmers should be increased?
 - f) What do you mean by rural development.
 - g) What do you know about NGO's.
 - h) How do you protect the environment for pest management

GROUP-B

2. Answer any **FOUR** of the following questions: 5×4=20
- a) Briefly explain 'Humus theory'
 - b) Briefly explain major study areas of ethics.
 - c) Discuss 'Field plot techniques of experimentation'.
 - d) Ethics in the conduct of agricultural research.
 - e) Discuss IPR.
 - f) Write the role of Global Agricultural Research System (GARS) in reducing poverty.

GROUP-C

3. Answer any **TWO** of the following questions: 10×2=20
- a) Mention various outcomes of CGIAR research projects.
 - b) Discuss the 4 strategies of rural development programme after independence along with example. Name any two Community Development Programme in India. 8+2
 - c) State in brief the development of Indian agriculture from farma culture to modern sustainable green agriculture.
 - d) Discuss the problems in implementation of rural development programme.