

Total Page: 01

PG AGRICULTURE
M.Sc. Semester-II Examination, 2022
Genetics and plant breeding (GPB)
(THEORY)
PAPER: GPB 202

(AGRONOMY OF MAJOR KHARIF CEREALS AND PULSES)

Full Marks: 50

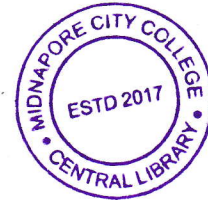
Time: 2 Hours

THEORY

1. Answer any five questions from the following:

2X5 = 10

- a. Write two salt tolerant varieties of wheat.
- b. What is the reason behind high volume of bread?
- c. What are the enzymes responsible for malting?
- d. Mention centre of origin of a) wheat b) Chickpea.
- e. What are the problems associated with tall wheat?
- f. Mention two varieties of lathyrus.
- g. Differentiate between spring wheat and winter wheat.
- h. Classify chickpea.



2. Answer any five questions from the following:

4X5 = 20

- a. What is the nutritional composition of fieldpea?
- b. Discuss climatic requirements of wheat.
- c. Write importance of barley cultivation
- d. Discuss the nutrient management of barley.
- e. Mention the classification of wheat.
- f. Mention the sowing time, seed rate, soil type and climatic requirement of lentil.
- g. Write short note on BOAA.
- h. Write short note on relay cropping of lentil.

3. Answer any two questions from the following:

10X2=20

- a. Write a brief note on water management of wheat. What are the recommendations to achieve higher production in lentil? 5+5
- b. Differentiate between tall and dwarf wheat. Write economic importance of pea. 7+3
- c. Write a brief note on a) soil requirement b) climatic requirement c) fertilizer requirement d) weed management of lathyrus. 2+2+2+2
- d. Describe about the soil and climatic conditions of barley. 5+5
- e. What are the strategies for boosting up barley production? Classify barley. 4+6
