



PG Agriculture
M.Sc. Semester-II Examination, 2023
AGRONOMY

PAPER: AGRON 507 (THEORY)
(AGRONOMY OF OILSEED, FIBER AND SUGAR CROPS)

Full Marks: 40

Time: 2 Hours

GROUP-A

Answer any **FIVE** of the following questions:

5×2=10

1. Write the nutritional composition of soybean.
2. Which type of jute can tolerate water logging condition and why?
3. Write any two merits and demerits of ratooning.
4. Write any four important indication of maturity of Groundnut.
5. Discuss about the topping of cotton.
6. Write the characteristics of *S. officinarum*.
7. Write any four importance of *Brassica spp.* in India.
8. Discuss about the hot water treatment in sugarcane.
9. In Conservation Agriculture, which oilseed crop is beneficial?

GROUP-B

Answer any **FOUR** of the following questions:

4×5=20

1. Write the difference between *C. olitorius* and *C. capsularis*.
2. Explain the reasons behind lower productivity of cotton in India.
3. Discuss the retting process of jute.
4. Explain the reasons of tying, wrapping and propping of sugarcane.
5. Write the difference between rapeseed and mustard.
6. Discuss the fertilizer management of groundnut.
7. Draw and explain the Brassica triangle.
8. Classify soybean seeds according to their colour.

GROUP-C

Answer any **TWO** of the following questions:

2×10=20

5. Mention name and location of any two-institution related to Jute. Discuss any five quality parameters of cotton fiber. 2+8
6. Define ratoon crop. Discuss the merits and demerits of ratoon sugarcane. Explain how you can manage ratoon sugarcane. 2+3+6
7. Classify the cotton grown in India. Discuss topping of cotton. 8+2
8. Explain the causes for low oilseed productivity in India and its remedial measures.