

Exam. Code : 107701

Subject Code : 1873

Bachelor of Food Science & Technology (Hons.)

1st Semester

CROP SCIENCE

Paper—FST-103

Time Allowed—Three Hours] [Maximum Marks—40

Note :—Answer any **FIVE** questions. All questions carry equal marks.

1. Discuss the improved package of practices for raising wheat crop.
2. Discuss the improved package of practices for raising rainfed maize crop.
3. Discuss the improved package of practices for raising green gram crop.
4. Write in table format about seed rate, seed treatment, time of sowing, method of sowing, plant to plant and row to row distance, fertilizer application per acre of :
 - (a) Peas
 - (b) Potato.
5. Write in table format about seed rate, seed treatment, time of sowing, method of sowing, plant to plant and row to row distance, fertilizer application per acre of :
 - (a) Lady finger
 - (b) Cauliflower.

6. Write short notes on the following (any **FOUR**) :
 - (a) *Consortium* inoculation of maize
 - (b) Fruit handling of kinnow
 - (c) Raising of rice nursery
 - (d) Earthing up of potato
 - (e) Puddling
 - (f) Pruning.
7. Write in table format about time of sowing, plant to plant and row to row distance, weed control and fertilizer application (per acre) of :
 - (a) Soybean
 - (b) Gobhi sarson.
8.
 - (a) Enlist two varieties each of sunflower, groundnut, brinjal, tomato, mango, papaya, kinnow and carrot.
 - (b) Discuss propagation methods of papaya and kinnow.
9.
 - (a) Discuss various precautions while plantation of new orchard.
 - (b) Discuss the type of soil required for new orchard plantation.