

STSN Govt. Degree College, Kadiri

Department of Botany

B.Sc - BOTANY

SEMESTER-V: THEORY MODEL PAPER

(General Model Paper)

Time: 3 Hours

Max.Marks:75

SECTION-A (Short Answer Questions)

(Instructions to the paper setter: Set minimum ONE question from each unit, maximum **Eight** from all.)

Answer any five of the following question

5x5=25M

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

SECTION-B (Essay Questions)

(Instructions to the paper setter: Set minimum **two** questions from each unit, either or internal choice)

Answer All of the following questions

5x10=50M

- | | | | |
|--------|----|----|---------------|
| 9. a) | OR | b) | From Unit-I |
| 10. a) | OR | b) | From Unit-II |
| 11. a) | OR | b) | From Unit-III |
| 12. a) | OR | b) | From Unit-IV |
| 13. a) | OR | b) | From Unit-V |

INTERNAL EXAMS

- 25Marks

(15 marks for unit tests, 5 marks for assignments and remaining 5 marks for seminar etc.)

**II B. Sc – SEMESTER- V, BOTANY PRACTICAL MODEL
PAPER PAPER-V: CELL BIOLOGY, GENETICS AND
PLANT BREEDING**

1. Perform the Experiment **A** .Perform squash on onion root tip, prepare the slide, identify at least one division stage. Write the procedure and draw the diagram of reported stage.

1 x 15 = 15marks

2. Give the experimental protocol of the experiments **B**

1 x 10 = 10 marks

3. Solving numerical problems on Mendelian in heritance **C,D**

2x 7 1/2 =15 marks

4. Record & Viva

= 10 marks

50 marks