

B.SC. ZOOLOGY
SEMESTER-3RD
CELL BIOLOGY, PLANT RESOURCE AND ECOLOGY
BSB – 731

Duration: 3 Hrs.

Marks: 70

{ Part : A (Objective) = 20 }
{ Part : B (Descriptive) = 50 }

[PART-B : Descriptive]

Duration: 2 Hrs. 40 Mins.

Marks: 50

[Answer question no. One (1) & any four (4) from the rest]

1. What is Mutation? Discuss the different types of mutation based on the changes in the Chromosome structure. 4+6=10
2. What is cell division? Discuss Meiosis with proper diagram 2+8=10
3. Discuss with example the Mendel's Theory of Independent Assortment. 10
4. Write notes on: 5+5=10
 - a. Difference between plant and animal cell
 - b. Chloroplast
5. Discuss the cultivation processes and uses of Neem. 10
6. Discuss the cultivation processes and uses of Coconut. 10
7. Describe the function of ecosystem in detail. 10
8. What is acid rain? Discuss the causes and effect of acid rain 2+8=10