

V P & R P T P SCIENCE COLLEGE

5<sup>TH</sup> SEM INTERNAL TEST 2016

US 05 CZOO 05



TIME: 11.00-12.30 PM

DATE: 05/10/2016

MARKS: 25

Q-1 MULTIPLE CHOICE QUESTIONS: [03]

1. MONOHYBRID IS AN INTERACTION BETWEEN.....CHARACTERS  
A, SINGLE                                      B, TWO                                      C, THREE                                      D, ALL
2. ANTIGENS ARE NOT PRESENT IN BLOOD GROUP  
A, O    B, AB    C, A    D, B
3. GENERALLY CROSSING OVER TAKES PLACE DURING  
A, PROPHASE                                      B, METAPHSE                                      C, ANAPHASE                                      D, TELOPHASE

Q-2 ANSWER IN SHORT [ANY TWO] [04]

1. WRITE ABOUT MENDEL
2. WHAT IS BACK CROSS
3. WRITE ABOUT CHROMOSOMES OF DROSOPHILA

- Q-3    A, WHAT IS CO DOMINANCE? EXPLAIN [03]  
       B, WHAT ARE LETHAL GENES? EXPLAIN [03]

OR

- Q-3    A, EXPLAIN 3:6:3:1:2:1 RATIO [03]  
       B, EXPLAIN LAW OF INDEPENDENT ASSORTMENT [03]

- Q-4    WHAT IS EPISTASIS? EXPLAIN BY GIVING PROPER EXAMPLE [06]  
       OR

- Q-4    EXPLAIN MULTIPLE ALLELES IN ASPECT OF BLOOD GROUP [06]

- Q-5    A, EXPLAIN SEX DETERMINATION IN HUMAN [03]  
       B, EXPLAIN Y LINKED GENES [03]

OR

- Q-5    A, EXPLAIN THEORIES OF CROSSING OVER [03]  
       B, WHAT IS GENE LINKAGE? EXPLAIN [03]