

U.G. 5th Semester Examination - 2020

ZOOLOGY

[HONOURS]

Course Code : ZOOL(H)CC-P-12

[PRACTICAL]

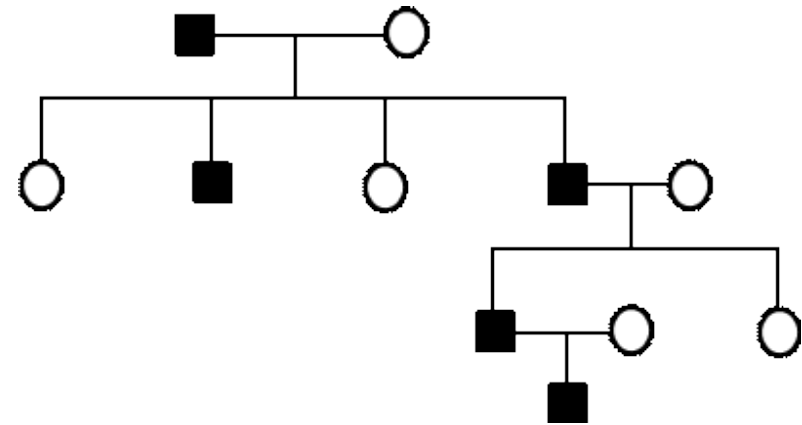
Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate marks.

Answer all the questions.

1. a) Define Chi-square Test. What are the conditions for using the Chi-square Test?
b) A mating between two *Drosophila* flies with normal wings results 72 normal and 30 vestigial winged flies. With a reliable test determine whether they follow 3:1 ratio. ($X^2(0.05=3.84, df=1)$). 1+1+3=5
2. a) Define pedigree. Why we analyse pedigree?
b) Describe the pedigree, analyse the mode of inheritance, tabulate the genotypes of all the members. 1+1+3=5



3. Laboratory note book. 5
4. Viva voce. 5
