



- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw diagrams wherever necessary.

1. Describe sex-linked inheritance. **10**

OR

Write notes on

a) Law of segregation **5**

b) Co-dominance. **5**

2. Give an account on gene mutation. **10**

OR

Write notes on

a) Down syndrome **5**

b) Aneuploidy **5**

3. Write an essay on fossils. **10**

OR

Write notes on

a) Struggle for existence. **5**

b) Miller's experiment. **5**

4. Write in detail types of speciation **10**

OR

Write notes on.

a) Industrial melanism. **5**

b) Adaptive radiation in Finches. **5**

5. Write four or five lines on each of the followings. **any ten.** **10**

a) Monohybrid cross.

b) Alleles

c) Epistasis.

d) Synapsis.

e) Paracentric inversion

f) Complete linkage

g) Coacervates droplets.

h) Hot dilute soup.

i) Epithippus

j) Climatic isolation

k) Artificial selection

l) Anoxic event
