

FM-20

BIOLOGY

Time-45m

Std-12

Self Assessment Test DNS FRI

Q1) Answer the following questions briefly.
(5×1=5)

1) What is pleiotropy?

2) What is a double cross-over?

3) Birds and reptile males are homogametic. Comment.

4) Sickle-cell anaemia occurs due to substitution of _____ acid by _____ at the 6th position amino acid chain.

5) What is albinism?

Q2) What is numerical aberration? Write the difference between Euploidy and aneuploidy. (2)

Q3) What is recombination? Explain how recombination leads to variations. (2)

Q4) Differentiate between autopolyploidy and allopolyploidy. (3)

Q5) What is frameshift mutation? Explain deletion and insertion mutation. (3)

Q6) Explain megasporogenesis with help of a neat labelled diagram. (5)

