



St. Xavier's Sr. Sec. School

Delhi-54

Class 12
16-5-2015

First Unit Test in BIOLOGY

Time : 1 hr.
M. Marks : 20

GENERAL INSTRUCTIONS:-

All questions are compulsory.

Give labelled diagrams and examples wherever required.

1. Fill in the blank spaces with suitable terms:-
 - a) The cyclic changes during reproduction in Non Primates females _____.
 - b) Two morphologically distinct types of gamete producing organisms _____ ($\frac{1}{2} \times 2 = 1$)
2. What do you understand by self incompatibility? (1)
3. What is the special characteristic of Parthenocarpic fruits? (1)
4. Explain the phenomenon of triple fusion in angiospermic plants. (2)
5. Explain the Juvenile and senescent phases of life cycle of organisms. (2)
6. What advantages Vivipary has over Ovipary? (2)
7. Explain and draw any two modes of asexual reproduction in organisms. (3)
8. Diagrammatically represent any one of the following:-
Microsporogenesis (OR) Embryo Development in Dicot Plants. (3)
9.
 - i) Describe the various layers of microsporangium walls.
 - ii) Differentiate between Autogamy and Geitonogamy.
 - iii) Compare False fruits and True fruits.(OR)
 - a) Explain the characteristic features of wind pollinated flowers. How are insect pollinated flowers different from them?
 - b) Explain the mutually rewarding relationship between Yucca plant and a species of moth?
 - c) Write down the ploidy of the following:-
 - i) Endosperm
 - ii) Functional Megaspore. (5)

-X-X-X-X-X-