



St. Xavier's Sr. Sec. School

Delhi-54

Final Examination in **BIOLOGY** – Std. 11
4-3-2016

M. Marks : 70
Time : 3 hrs.

Roll

--	--

Total printed pages :	09
Total printed questions :	25

General Instructions:

- i) The question paper comprises of five Sections A, B, C, D and E.
- ii) All questions are compulsory.
- iii) There is no overall choice however; internal choice has been provided in one question of 2 marks, one question of 3 marks and all the two questions of five marks category. Only one option in such question is to be attempted.
- iv) Questions 1 to 5 in section A are very short questions of one mark each. These are to be answered in one word or one sentence each.
- v) Questions 6 to 9 in section B are short questions of two marks each. These are to be answered in approximately 20 - 30 words each.
- vi) Questions 10 to 20 in section C are questions of three marks each. These are to be answered in approximately 30-50 words each. Question 21 is of 4 marks.
- vii) Questions 22 to 23 in section D are questions of five marks each. These are to be answered in approximately 80-120 words each.
- viii) Questions 24 to 25 in section E is based on OTBA of 10 marks. Answer them in 100 - 200 words each.

Section – A

(1 x 5 = 5 marks)

1. Why do cartilaginous fishes have to swim constantly?
2. Give two examples of plants whose adventitious roots are modified for the purpose of storage of food.
3. Give the scientific terms for the following :-
 - a) Stacks of closely packed thylakoids _____.
 - b) Extensive infoldings of the inner membrane of Mitochondria _____.
4. Name the following :-
 - a) Structural and functional unit of kidney _____.
 - b) The unit of nervous system _____.
5. Draw the path of a reflex action.

Section – B

(2 x 4 = 8 marks)

6. Define alternation of generation giving one suitable example of a life cycle of any lower plant.
7. Who gave the cell theory and what is the meaning of "Omnis cellula-e-cellula"?
8.
 - a) Define crossing over.
 - b) Explain Metacentric chromosome.



St. Xavier's Sr. Sec. School

Delhi-54



St. Xavier's Sr. Sec. School

Delhi-54



St. Xavier's Sr. Sec. School

Delhi-54



St. Xavier's Sr. Sec. School

Delhi-54



St. Xavier's Sr. Sec. School

Delhi-54



St. Xavier's Sr. Sec. School

Delhi-54



St. Xavier's Sr. Sec. School

Delhi-54



St. Xavier's Sr. Sec. School

Delhi-54



St. Xavier's Sr. Sec. School

Delhi-54



St. Xavier's Sr. Sec. School

Delhi-54



St. Xavier's Sr. Sec. School

Delhi-54



St. Xavier's Sr. Sec. School

Delhi-54