18/6/12 Mrs. Sajini.
XI A, C, SET A

# INTERNATIONAL INDIAN SCHOOL, RIYADH

## FIRST TERM EXAMINATION - JUNE 2012 – 2013

**Subject: Biology** **Max.Marks:70**
**Class: XI** **Duration: 3 Hours**

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**General Instruction:**

1. **This question paper consists of four sections A, B, C and D.**
2. **All questions are compulsory.**
3. **There is no overall choice. However, an internal choice has been provided in one question of 2 marks, one question of 3 marks and each question of 5 marks weightage. Attempt only one of the choices in such questions.**
4. **Section A contains 8 questions of one mark each and to be answered in one word or one sentence.**
5. **Section B contains 10 questions of 2 marks each and to answered in approximately 20 – 30 words.**
6. **Section C contains 9 questions of 3 marks each and to be answered in approximately 30 – 50 words.**
7. **Section D contains 3 questions of 5 marks each and to be answered in approximately 80 – 120 words.**

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### Section A (1 x 8 = 8 )

1. Where are taste buds located?
2. What prevents the collapsing of our trachea during breathing?
3. Name the type of granulocytes that are significant in allergic reactions.
4. Cilia of Paramoecium help the organism in two ways / functions. What are they?

5. Name the respective secretions of goblet cells and parietal cells in human stomach.
6. Why is cartilage pliable, while the bone is rigid?
7. Name two sites in our body where ciliary movement is seen.
8. Why do we consider blood as connective tissue?

## Section B ( 2 x 10 = 20 )

9. Fill in the blanks a, b, c and d given in the following table

| Vision in | Technical term | Cells responsible |
|---|---|---|
| (i) Daylight | a | b |
| (ii) Dimlight | c | d |

**or**

Name the space in between
(i) The lens and retina (ii) the cornea and lens.
What does each of them contain?

10. How would it affect the digestion of proteins, if there is a blockade in the pancreatic duct?
11. Describe the condition termed atherosclerosis. How does it affect the body?
12. Why do the nitrogenous wastes diffuse out of blood into the dialyzing fluid but not NaCl?
13. Trace the movement of NaCl between the ascending and descending limbs of vasa recta and those of Henle's loop.
14. Fill in the blanks a, b, c and d, pertaining to the bones of forelimbs and their respective numbers.

| Bone | Number |
|---|---|
| (i) Humerus | a |
| (ii) b | 8 |
| (iii) Metacarpals | c |
| (iv) d | 14 |