

# LORVEN PUBLIC SCHOOL

(Affiliated to CISCE, New Delhi)  
Anekal Road, Chandapura, Bangalore - 99

Annual Exam – 2020

Class: VII

BIOLOGY

Time: 2 hrs

Total Marks: 80

## SECTION – A (40 MARKS)

(Attempt all questions from this section)

### I. NAME THE FOLLOWING

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1. Population of different living organisms living in a specific area.
2. Tissues that are capable of cell division.
3. Tissue without red blood cells.
4. The lateral meristematic tissue.
5. Cells of the cartilage.

### II. MATCH THE COLUMNS

5

- |                               |                    |
|-------------------------------|--------------------|
| 1. Rhizopus                   | Harmful fungi      |
| 2. <i>Aspergillus niger</i>   | Common bread mould |
| 3. <i>Penicillium notatum</i> | Eukaryotes         |
| 4. Kingdom Plantae            | Hydra              |
| 5. Kingdom Animalia           | Useful fungi       |

### III. WRITE TRUE OR FALSE. REWRITE THE FALSE STATEMENT BY CHANGING THE UNDERLINED WORD

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1. Reptiles are terrestrial and cold-blooded animals.
2. Crab belongs to Class Aves.
3. Arachnida has segmented body.
4. Class Amphibia are viviparous.
5. The members of Phylum Platyhelminthes are commonly known as roundworms.

### IV. DEFINE THE FOLLOWING TERMS

10

1. SPECIES
2. CLASSIFICATION
3. SAPROPHYTE
4. PARASITE
5. PHAGOCYTOSIS
6. ARF

7. EXCRETION

8. HILUS

9. KIDNEY

10. UTI

**V. GIVE ONE WORD FOR THE FOLLOWING**

**5**

1. Green coloured pigment present in the chloroplast of the cell.
2. Fine pores present on the surface of most of the leaves.
3. Tiny openings present on the mature roots and woody stems of some trees.
4. Process of oxidation of food into CO<sub>2</sub>, Water and Energy.
5. Process responsible for synthesis of food from CO<sub>2</sub> and Water.

**VI. FILL IN THE BLANKS**

**5**

1. The main part of a neuron is \_\_\_\_\_.
2. The \_\_\_\_\_ make up the nervous system.
3. The \_\_\_\_\_ is protected by the spine and the \_\_\_\_\_ by the skull.
4. The ability of the brain to store information and recall it when required is called \_\_\_\_\_.
5. Spinal cord also controls \_\_\_\_\_.

**VII. CHOOSE THE CORRECT ANSWER**

**5**

1. The sugar produced during photosynthesis.  
a) Sucrose      b) Lactose      c) Glucose      d) Fructose
2. With increase in intensity of light, there is \_\_\_\_\_ in the rate of photosynthesis.  
a) An increase      b) A decrease      c) Both (a) and (b)      d) None of the above
3. Which of the following forms of Carbohydrate is broken down during respiration?  
a) Fructose      b) Sucrose      c) Glucose      d) Lactose
4. Which of the following is a by-product of anaerobic respiration?  
a) Oxygen      b) Nitrogen      c) Ethyl alcohol      d) None of these
5.  $6\text{CO}_2 + \text{_____} \text{-----} \text{_____} + 6\text{O}_2 + 6\text{H}_2\text{O}$   
a)  $6\text{H}_2\text{O}$ ,  $\text{C}_2\text{H}_5\text{OH}$       b)  $12\text{H}_2\text{O}$ ,  $\text{C}_6\text{H}_{12}\text{O}_6$       c)  $12\text{H}_2\text{O}$ ,  $\text{C}_2\text{H}_5\text{OH}$       d)  $6\text{H}_2\text{O}$ ,  $\text{C}_6\text{H}_{12}\text{O}_6$

**SECTION – B (40 MARKS)**

*(All questions are compulsory)*

**QUESTION 1**

- i) Differentiate between Xylem and Phloem.

**2**

- ii) Differentiate between Meristematic and Permanent tissues. 2
- iii) Define Population. 1

**QUESTION 2**

- i. Explain the different types of shapes found in bacteria with the help of diagrams. 5

**QUESTION 3**

- i) Explain the characteristics of Class Aves with examples. 3
- ii) Mention the subgroups of Phylum Arthropods with examples. 2

**QUESTION 4**

- i. Mention any 2 uses of fungi and bacteria. 2
- ii. Differentiate between Kingdom Plantae and Kingdom Animalia. 3

**QUESTION 5**

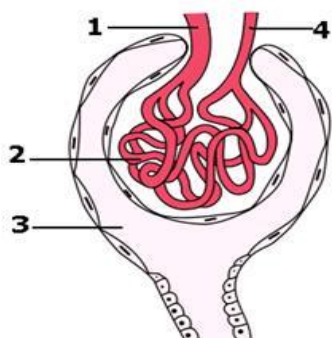
- i) Explain the two stages of respiration. 2
- ii) Mention the significance of photosynthesis. 2
- iii) Define Photosynthesis & Respiration. 1

**QUESTION 6**

- i) Explain the different excretory materials produced in the human body. 2½
- ii) Describe the Urinary system with a neat labelled diagram. 2½

**QUESTION 7**

**5**



- i) Label the parts 1, 2, 3 & 4
- ii) Name the organelle and mention the process it undergoes.
- iii) State its location and function
- iv) Mention the stages in the formation.

**QUESTION 8**

- i) Mention the different parts of the brain. 1
- ii) Which is the largest part of the brain. 1
- iii) State the location and functions of different parts of the brain. 3