

# 9th Class 2021

Biology	Group-II	Paper-I
Time: 15 Minutes	(Objective Type)	Marks: 12

**Note:** Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

- 1-1- To what category of molecules do enzymes belong?
- (a) Carbohydrates (b) Lipids  
(c) Proteins ✓ (d) Nucleic acid
- 2- Normal pH of blood is:
- (a) 7.4 ✓ (b) 6.4  
(c) 8.4 (d) 11.4
- 3- Fluid-mosaic model explain the structure of:
- (a) Nucleus (b) Cell wall  
(c) Cytoplasm (d) Cell membrane ✓
- 4- Citrus fruits, green vegetables, beef liver are the source of:
- (a) Vitamin A (b) Vitamin B  
(c) Vitamin C ✓ (d) Vitamin D
- 5- A cubic millimeter of blood contains \_\_\_\_\_ RBCs in males.
- (a) 5 - 5.5 million ✓ (b) 4 - 4.5 million  
(c) 6 - 6.5-million (d) 7 - 7.5 million
- 6- It is the study of insects:
- (a) Entomology ✓ (b) Immunology  
(c) Pharmacology (d) Socio-biology

- 7- During which phase of mitosis spindles are formed?  
(a) Telophase (b) Prophase ✓  
(c) Metaphase (d) Anaphase
- 8- In which biological method "if and then" logic is used?  
(a) Hypothesis (b) Observations  
(c) Deductions ✓ (d) Experimentation
- 9- In cellular respiration, food is oxidized to:  
(a) O<sub>2</sub> (b) CO<sub>2</sub> ✓  
(c) H<sub>2</sub> (d) Water
- 10- Crossing over was observed in the year \_\_\_\_\_.  
(a) 1911 ✓ (b) 1937  
(c) 1943 (d) 1951
- 11- Scientific name of house crow is:  
(a) Allium cepa (b) Corvus splendens ✓  
(c) Asterias rubens (d) Brassica campestris
- 12- In human, oesophagus is about \_\_\_\_\_ long.  
(a) 10 cm (b) 15 cm  
(c) 20 cm (d) 25 cm ✓