

# 9th Class 2021

Biology

Group-I

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- The level of organization that is less define in plants is:
- (a) Organism level
  - (b) Organ level
  - (c) Organ system level ✓
  - (d) Tissue level
- 2- A litre of ethanol weighs \_\_\_\_\_ grams.
- (a) 1,000
  - (b) 789 ✓
  - (c) 879
  - (d) 978
- 3- The terms prokaryotic and eukaryotic was first suggested by \_\_\_\_\_.
- (a) E-Chatton ✓
  - (b) Robert Whittaker
  - (c) Ernst Hackel
  - (d) Margulis
- 4- What is the function of mitochondrion?
- (a) Lipid storage
  - (b) Protein synthesis
  - (c) Photosynthesis
  - (d) Cellullar respiration ✓
- 5- Which phase lasts for at least 90% of the total time for cell cycle?
- (a) Inter phase ✓
  - (b) Karyokinesis
  - (c) Cytokinesis
  - (d) Prophase
- 6- If tumors remain in their original location are called:
- (a) Malignant tumors
  - (b) Metastasis
  - (c) Benign tumors ✓
  - (d) Cancerous tumors

7- Term metabolism is derived from Greek word meaning:

- (a) Smaller (b) Change ✓  
(c) Growth (d) Energy

8- ATP was discovered in:

- (a) 1939 (b) 1941  
(c) 1949 (d) 1929 ✓

9- Which mineral is used for blood clotting?

- (a) Potassium (b) Chloride  
(c) Sodium (d) Calcium ✓

10- Where are villi found?

- (a) Esophagus (b) Stomach  
(c) Small intestine ✓ (d) Large intestine

11- Outside the conducting tissues, there is a narrow layer of cells called:

- (a) Endodermis (b) Pericycle ✓  
(c) Cortex (d) Epidermal

12- The opening between right atrium and right ventricle is guarded by:

- (a) Tricuspid valve ✓  
(b) Bicuspid valve  
(c) Pulmonary semilunar valve  
(d) Aortic semilunar valve