

Paper: BiologyTotal Marks: 12Month Test: Annual

Obt. Marks: _____

Theme/Unit: CompleteGrand Total: 75

Objective: _____

Signature: _____

Time: 15 mins

Roll No: _____

class: 9th

Section: _____

**Q No. 1: Encircle the correct option:**

1. Which of these major bio elements in the highest percentage in protoplasm:

- a. Carbon
- b. Hydrogen
- c. Oxygen
- d. Fungi

2. Malaria is sparrow is transmitted by:

- a. Culex
- b. Anopheles
- c. Both
- d. None

3. Which scientist introduce the taxa of “class” and “species”

- a. John Roy
- b. Caolus linnaeous
- c. Tournefort
- d. None

4. The cell wall of fungi is made up of:

- a. Cellulose
- b. Chitton
- c. Both
- d. None

5. The growth of abnormal cells is called:

- a. Tumors
- b. Benign
- c. Metastasis
- d. None

6. Cell membrane makes irregular buds known as:

- a. Apoptatic bodies
- b. Blebs
- c. Infection
- d. None

7. Pepsin enzyme working in the stomach cavity. Pepsin enzyme is:

- a. Extracellular
- b. Intracellular
- c. Intermediate
- d. All

8. In which of the following steps of respirations CO_2 is produced?

- a. Glycolysis
- b. Kreb cycle
- c. Electron transport chain
- d. All

9. What is the percentage of carbon hydrate in rice?

- a. 23%
- b. 52
- c. 19%
- d. 7%

10. Where are villi found?

- a. Esophagus
- b. Stomach
- c. Small intestine
- d. Large intestine

11. In stomach pepsinogen converted into:

- a. Pepsin
- b. Bicarbonate
- c. HCL
- d. Gastrin

12. Family of pea is:

- a. Pisum
- b. Fabales
- c. Fabacea
- d. None

Paper: BiologyTotal Marks: 63Month Test: Annual

Obt. Marks: _____

Theme/Unit: CompleteGrand Total: 75

Subjective:

Signature: _____

Time: 2 hours

Roll No: _____

class: 9th

Section: _____

**Q. No. 2: answer the following Questions:****/10**

- 1) Define paleontology and Entomology?
- 2) Difference between theory and Law?
- 3) What are characteristics of a hypothesis?
- 4) Write the uses of enzymes?
- 5) Write full name of the following: i. IUCN ii. WWF-P

Q. No. 3: answer the following Questions:**/10**

- 1) Define cristae? Describe its functions?
- 2) Difference between karyokinesis and cytokinesis?
- 3) Describe about G₁ phase?
- 4) Effect of CO₂ concentration in photosynthesis?
- 5) Draw molecules structure of ATP?

Q. No. 4: answer the following Questions:**/10**

- 1) Difference between Autotrophic and heterotrophic organisms?
- 2) What is the role of chloride and calcium in the body?
- 3) Describe the function of vitamin A?
- 4) Define agranulocytes describe its functions?
- 5) What is plaques and thrombus?

Long Questions:**Q. 5: (a).** Briefly explain relationship of biology to other sciences? **/6****(b).** describe briefly about Endoplasmic reticulum? **/5****Q. 6: (a).** Describe the Mechanism of Enzyme action? **/5****(b).** Describe the mechanism of photosynthesis with diagram? **/6****Q. 7: (a).** Write a note on environmental hazards related to fertilizers use? **/5****(b).** Briefly describe transport of food in plants. **/6**