**Pakistan Askari School and College**

**Monthly Test**

**Session (2021-2022)**

**Name:………………………………………………… Subject: Chemistry**

**Class: Pre-IX Time Allowed: 20 mints**

| **Objective** | **Subjective** | **T. Marks** | **Obtained Marks** | **%** | **Grade** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- |
| **12** | **48** | **60** |
|  |  |  |  |  |  |  |

***OBJECTIVE TYPE***

**Q No. 1:** **Note: Four possible answers A, B, C and D are given. Circle the correct option. Cutting or filling two or more options will result zero marks in that question. (12)**

**1. :**

(A) Population (B) Community (C) Biosphere (D) Species

**2.** **Which of these major bioelements is in highest percentage of protoplasm?**

(A) Carbon (B) Hydrogen (C) Oxygen (D) Nitrogen

**3.The basic step of biological method is called\_\_\_\_\_\_\_\_\_\_**

(A)Hypothesis (B) Experiment (C)Deduction (D) Observation

**4. The scientific name of onion is \_\_\_\_\_\_\_\_**

(A) Allium cepa (B) Zia maize (C) Asterias rubens (D) Corvus splendens

**5.Chemical present in cell wall of plant is:**

(A) Chitin (B) Lignin (C) Cellulose (D) Peptidoglycan

**6. Cells which form the body of organisms are called:**

1. Germ cells (B) Gametes (C) Somatic cells (D) Parent cells

**7. Process of glycolysis occurs in:**

(A)Cytoplasm (B) Nucleus (C) Mitochondria (D)Chloroplast

**8. In stomach pepsinogen is converted into\_\_\_\_\_\_\_\_\_\_\_\_**

(A) Pepsin (B) HCl (C)Bicarbonate (D) Gastrin

**9.** **The most important photosynthetic pigment is :**

(A)Chlorophyll a (B)Chlorophyll b (C)Carotenoid (D) Chromoplast

**10.The mass of human heart in normal adult is:**

(A) 210-250g (B) 250-350g (C)350-400g (D)400-450g

**11. One gram lipids contains energy\_\_\_\_\_\_**

(A)10% (B) 12%

(C) 25% (D) 33%

**12. What is called the accidental death of cells and living tissues?**

(A) Cell generation (B)Fragmentation (C)Apoptosis (D) Necrosis

**Pakistan Askari School and College**

**Final Term Exams**

**Session (2021-2022)**

**Class:IX Subject: Biology**

**Max Marks: 48 Time Allowed: 02:00hrs**

***SUBJECTIVE TYPE***

**SECTION-I**

**Q2. Write short answers to any FIVE parts from the following: (2×5=10)**

1. Differentiate between .
2. What.
3. H?
4. W?
5. D.
6. W?
7. W?
8. G .

**Q3. Write short answers to any FIVE parts from the following: (2×5=10)**

1. Define meiosis.
2. What is phragmoplast?
3. What are biocatalysts?
4. Describe the functions of ribosomes.
5. What is meant by light reactions?
6. Define lactic acid fermentation
7. What is meant by the active site of an enzyme?
8. Explain the role of ATP in the function of the cell?.

**Q4. Write short answers to any FIVE parts from the following: (2×5=10)**

1. Write four sources to get protein.
2. Write the reasons for transpirational pull.
3. Describe the role of dietary fibres.
4. Name the disease caused by the deficiency of vitamin A and D.
5. What are the functions of root hairs?
6. Write down the structure of RBCs..
7. What is pulmonary circulation?.
8. What is gastric juice?

**SECTION – II**

**Note: Attempt any TWO questions from the following: (9×2=18)**

**Q5. (a)** Explain the structure of the plant cell. **05**

**(b)** Write down the relationship of Biology to Biophysics and Biomathematics. **04**

**Q6. (a)** Write down the events taking place in the Calvin cycle.  **05**

**(b)** Explain the uses of Enzymes.  **04**

**Q7. (a)** Discuss the role of oral cavity in digestion**. 05**

**(b)** Write a note on ABO blood group system.  **04**