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1st Year Biology Solved Exercise MCQs

| NAME: | | | | ROLL NO: | | TIME: | 10: MIN |
|---|---|---|---|---|---|---|---|
| SUB: | Biology | Date: | | | | CLASS: | 1st Year |
| SYLLABUS | Chp. 10 (Human Respiratory System) | | | T. MARKS | 10 | OBT. M | |

**Q. 1 Choose the Correct Answer. Cutting, Erasing, Double Selection is Strictly Prohibited. (1x10=10)**

**1. During inhalation, diaphragm:**

(A) Contracts and moves upward
(B) Contracts and moves downward
(C) Relaxes and moves upward
(D) Relaxes and moves downward

**2. Which part of the respiratory system acts as the respiratory surface:**

(A) Larynx (B) Trachea (C) Bronchi (D) Alveoli

**3. How many oxygen molecules can attach with a haemoglobin molecule?**

(A) 1 (B) 2 (C) 3 (D) 4

**4. What is TRUE about respiratory pigments?**

(A) Transport oxygen from lung to tissues
(B) Transport oxygen and carbon dioxide in equal amounts
(C) Transport less oxygen and more carbon dioxide
(D) Regulate the pH of blood

**5. Which respiratory pigments is found in muscle tissue:**

(A) Haemoglobin (B) Melanin
(C) Myoglobin (D) Chlorophyll

**6. What is the maximum amount of air can be inhaled or exhaled during a respiratory cycle?**

(A) Tidal volume (B) Vital capacity
(C) Inspiratory reserve volume (D) Expiratory reserve volume

**7. In which form is carbon dioxide primarily transported in the bloodstream:**

(A) Dissolved in plasma (B) Bound to haemoglobin
(C) Converted to bicarbonate ions (D) None of these

**8. Which of the following treatments is commonly to mange pulmonary TB:**

(A) Antibiotics (B) Cough syrup
(C) Surgery (D) Chemotherapy

**9. Which of the following is a common cause of pneumonia:**

(A) Bacterial infection (B) Viral infection
(C) Fungal infection (D) All of these

**10. Emphysema is characterized by:**

(A) Inflammation of airways (B) Narrowing of airways
(C) Destruction of the alveoli in lung (D) Fluid build-up in lung

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| Answer Key | | | | | | | |
|---|---|---|---|---|---|---|---|
| **1** | B | **2** | D | **3** | D | **4** | A |
| **5** | C | **6** | B | **7** | C | **8** | A |
| **9** | A | **10** | C | | | | |