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1ST YEAR REVISION & TEST SESSION

NAME:			ROLL NO:		TIME:	50: MIN
SUB:	Biology	Date:			CLASS:	1st Year
SYLLABUS	Chp. 10 (Human Respiratory System)		T. MARKS	30	OBT. M	

Q. 1 Choose the Correct Answer. Cutting, Erasing, Double Selection is Strictly Prohibited. (1x6=6)

1. **Which of the following structures is NOT directly involved in gas exchange:**
   (A) Alveoli (B) Bronchioles (C) Trachea (D) Pleura
2. **What is the primary cause of chornic bronchitis?**
   (A) Viral infections (B) Bacterial infections
   (C) Long-term exposure to pollutant such as cigarette smoke
   (D) Genetic predisposition
3. **Which of the following is a lower Respiratory Tract Infection:**
   (A) Sinusitis (B) Pharyngitis (C) Bronchiolitis (D) Laryngitis
4. **What is the primary function of surfactant in the lungs?**
   (A) To warm the air we breathe to body temperature
   (B) To humidify the air we breathe
   (C) To reduce surface tension in the alveoli
   (D) To filter out dust particles from the air breathe
5. **Which part of the respiratory system acts as the respiratory surface:**
   (A) Larynx (B) Trachea (C) Bronchi (D) Alveoli
6. **What is the maximum amount of air that can be inhaled or exhaled during a respiratory cycle?**
   (A) Tidal volume (B) Vital capacity
   (C) Inspiratory reserve volume (D) Expiratory reserve volume

PART-I

Q. 2 Write Short Answers of the Following Questions (2x8=16)

i. How does the structure of the respiratory surface facilitate gas exchange?
ii. What is the ventilation mechanism in humans, and how does it work?
iii. What is the role of hemoglobin in transporting oxygen and carbon dioxide?
iv. How are sinusitis and otitis media typically treated?
v. How nasal cavity functions in filtering the inhaled air?
vi. What is role of diaphragm during inhalation and exhalation?
vii. What are respiratory pigments, and what is their function in the body?
viii. How are sinusitis and otitis media typically treated?

PART-II

Write Answers of the Following Questions in Detail.

Q. 3 (a) Describe the transport of oxygen though blood. 4
(b) Describe causes, symptoms and treatment of emphysema. 4

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Answer Key							
1	D	**2**	C	**3**	C	**4**	C
5	D	**6**	B				