



Chapter – 04

Human body system

B. Respiratory System

1. Cockroach cannot survive in the water because its respiratory organ is

- (A) Gill (B) Trachea
(C) Book lung (D) Pulmonary sac

2. Among the following set of salient features, which set does not exclusively characterise mammals?

- (A) Presence of sweat glands, hairs on skin and diaphyodonts
(B) Presence of mammary glands, sweat glands and diaphragm
(C) Absence of mammary glands, sweat glands and diaphragm
(D) Presence of mammary glands, hairs on skin and diaphragm

3. The transport of oxygen by blood takes place with the help of

- (A) Erythrocytes (B) Thrombocytes
(C) Lymphocytes (D) Leucocytes

4. Air bladder in fish acts as

- (A) Accessory respiratory organ
(B) Hydrostatic organ
(C) Both accessory respiratory
(D) Primary respiratory organ

5. On the average, what percentage of human body has the element of oxygen?

- (A) 65 (B) 25
(C) 10 (D) 5

6. Respiration process requires

- (A) Heat (B) Water
(C) Oxygen (D) Sunlight

7. The blood vessel supplying blood to the kidney is the

- (A) Renal artery (B) Hepatic artery
(C) Pulmonary artery (D) Parotid artery

8. Insufficient blood supply in human body is referred as

- (A) Ischemia (B) Hyperaemia
(C) Haemostasia (D) Haemorrhage

9. The number of chambers in a human heart is

- (A) Four (B) Two
(C) Three (D) Five

10. For a healthy heart, one needs to take a balanced diet, adequate sleep and

- (A) Indulge in vigorous mental activities
(B) Play games like carrom, chess and cards
(C) Do right amount of physical exercise
(D) Do sedentary work

11. Respiration is

- (A) Oxidation (B) Reduction
(C) Hydrolysis (D) Amination

12. What is the approximate time required for a heart beat?

- (A) 0.5 second (B) 0.8 second
(C) 0.5 minute (D) 1.0 minute

13. How many times does the heart beat approximately in a minute in humans?

- (A) 25 times (B) 30 times
(C) 72 times (D) 96 times

14. Blood pressure is the pressure exerted by blood on the walls of

- (A) Heart (B) Veins
(C) Arteries (D) Capillaries

15. The human heart is enclosed in the-

- (A) Pericardium (B) Pleura
(C) Durometer (D) Conjunctive

16. Rheumatic heart disease is treated with the help of

- (A) Aspirin (B) Streptomycin
(C) Methyl dopamine (D) Penicillin

17. Mycoplasma is associated with a disease that affects the organs of

- (A) Respiration (B) Excretion
(C) Reproduction (D) Digestion





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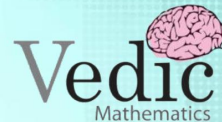
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18. The main function of white blood cells in the body is to

- (A) Carry oxygen
- (B) Help in clot formation
- (C) Produce more red cells
- (D) Protect body against diseases

19. Lungs are the primary organs of ____.

- (a) Digestion (b) Constipation
- (c) Perspiration (d) Respiration

20. Anaerobic respiration refers to which of the following?

- (a) Respiration without Oxygen
- (b) Respiration with Oxygen
- (c) Respiration without CO₂
- (d) Respiration with CO₂

21. Reserpine is used to:

- (A) Reduce high blood pressure
- (B) Increase blood pressure when it is low
- (C) Alleviate pain
- (D) Cure arthritis

22. Which among the following living being has respiratory organ but does not have brain?

- (A) Crab (B) Starfish
- (C) Blood sucker (D) Silverfish

23. ECG is used to detect the functioning of

- (A) Heart (B) Lung
- (C) Kidney (D) Brain

24. Heart attack occur due to:

- (A) Bacterial attack on the heart
- (B) Stopping of heart beat
- (C) Lack of blood supply to the heart itself
- (D) Impairment of heart's working due to unknown reasons

25. White lung disease is prevalent among the workers of:

- (A) Paper industry (B) Cement industry
- (C) Cotton industry (D) Pesticide industry

26. The membrane covering the lungs is a

- (A) Pleura (B) Pericardium
- (C) Peritoneum (D) Mesothelium

27. Tobacco smoke is injurious to health because it contains:

- (A) Carbon monoxide
- (B) Nicotine
- (C) Polycyclic aromatic hydrocarbons
- (D) Melathene

28. How many chambers does a mammalian heart have?

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

29. What accumulated in the muscles after continuous strenuous physical exercise as a result of temporary anaerobic respiration that causes muscular fatigue?

- (A) ATP (B) Lactic acid
- (C) Ethyl alcohol (D) Carbon dioxide

30. Just born baby has the respiratory rate as

- (A) 32 times/minute (B) 26 times/minute
- (C) 18 times/minute (D) 15 times/minute

31. Muscle fatigue occurs due to accumulation of ____.

- (A) ATP (B) ADP
- (C) Lactic Acid (D) Carbonic Acid

32. During hibernation state, frog respire by which of the following?

- (A) Only heart (B) Only lungs
- (C) Only skin (D) Both lungs and skin

33. There are how many vocal cords in the human voice box?

- (A) One (B) Two
- (C) Three (D) Four

34. Vocal chords in women are _____ than vocal chords in men.

- (A) 5mm shorter (B) 15mm shorter
- (C) 5mm longer (D) 15mm longer

35. Alveoli is related to which of the following system of human body?

- (A) Circulatory system
- (B) Excretory system
- (C) Reproductive system
- (D) Respiratory system

36. In humans, the sound is produced by the ____.

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(A) Oesophagus
(C) Medulla

(B) Larynx
(D) Epiglottis

37. The vocal cords in men are about _____ long.

(A) 10 mm
(C) 30 mm

(B) 20 mm
(D) 40 mm

38. In which of the following part of the cell does the pyruvic acid is broken down into carbon dioxide, water and energy?

(A) Cytoplasm
(C) Mitochondria

(B) Nucleus
(D) Chloroplast

