

S.S.R. DEGREE COLLEGE, (AUTONOMOUS)
NIZAMABAD (C.C:5029)
I SEMESTER INTERNAL ASSESSMENT-II EXAMINATIONS
BSC MLT – Human Anatomy-I Question Bank

I. Multiple Choice Questions (MCQs)

1. The main organ of respiration is the:

- a) Heart b) Lungs c) Brain d) Kidney

✓ Answer: b) Lungs

2. The process of exchange of gases between lungs and blood is called:

- a) Inspiration b) Expiration c) External respiration d) Internal respiration

✓ Answer: c) External respiration

3. The nasal cavity is divided by the:

- a) Nasal septum b) Pharynx c) Trachea d) Epiglottis

✓ Answer: a) Nasal septum

4. The larynx is also known as the:

- a) Voice box b) Windpipe c) Food pipe d) Nose

✓ Answer: a) Voice box

5. The trachea divides into:

- a) Alveoli b) Bronchi c) Bronchioles d) Diaphragm

✓ Answer: b) Bronchi

6. The smallest air sacs in the lungs are called:

- a) Bronchi b) Alveoli c) Capillaries d) Pleura

✓ Answer: b) Alveoli

7. The exchange of oxygen and carbon dioxide occurs in:

- a) Alveoli b) Bronchi c) Larynx d) Trachea

✓ Answer: a) Alveoli

8. The voice is produced by:

- a) Trachea b) Larynx c) Nose d) Pharynx

✓ Answer: b) Larynx

9. The respiratory membrane helps in:

- a) Digestion b) Gas exchange c) Sound production d) Blood circulation

✓ Answer: b) Gas exchange

10. The muscle that helps in breathing is:

- a) Diaphragm b) Heart c) Liver d) Stomach

✓ Answer: a) Diaphragm

11. The trachea is made up of:

- a) Bone b) Cartilage rings c) Muscles d) Ligaments

✓ Answer: b) Cartilage rings

12. The nose filters air using:

- a) Tongue b) Cilia and mucus c) Teeth d) Vocal cords

✓ Answer: b) Cilia and mucus

13. The right lung has _ lobes.

- a) 2 b) 3 c) 4 d) 1

Answer: b) ✓3

14. The left lung has _ lobes.

- a) 2 b) 3 c) 1 d) 4

✓ Answer: a) 2

15. The covering membrane of lungs is called:

- a) Pleura b) Pericardium c) Peritoneum d) Meninges

✓ Answer: a) Pleura

16. The human heart has _ chambers.

- a) 2 b) 3 c) 4 d) 5

✓ Answer: c) 4

17. The upper chambers of the heart are called:

- a) Ventricles b) Atria c) Arteries d) Veins

✓ Answer: b) Atria

18. Blood carries oxygen using:

- a) White blood cells b) Platelets c) Hemoglobin d) Plasma

✓ Answer: c) Hemoglobin

19. The artery that carries deoxygenated blood is:

- a) Aorta b) Pulmonary artery c) Pulmonary vein d) Coronary artery

✓ Answer: b) Pulmonary artery

20. The largest artery in the body is:

- a) Carotid b) Aorta c) Coronary d) Jugular

✓ Answer: b) Aorta

21. The smallest blood vessels are:

- a) Arteries b) Veins c) Capillaries d) Venules

✓ Answer: c) Capillaries

22. The blood component that fights infection is:

- a) RBC b) WBC c) Platelets d) Plasma

✓ Answer: b) WBC

23. The pulmonary circuit carries blood between:

- a) Heart and lungs b) Heart and brain c) Heart and body d) Heart and kidneys

✓ Answer: a) Heart and lungs

24. The coronary circuit supplies blood to:

- a) Brain b) Kidneys c) Heart muscle d) Lungs

✓ Answer: c) Heart muscle

25. The lymphatic system transports:

- a) Blood b) Lymph c) Oxygen d) Enzymes

✓ Answer: b) Lymph

II.Fill in the Blanks

1. The lungs are the main organs of **respiration**. ✓

2. The larynx is also called **the voice box**. ✓

3. **The trachea** connects the larynx to the bronchi. ✓

4. The **alveoli** are the site of gas exchange in the lungs. ✓

5. The **pleura** is the covering membrane of the lungs. ✓

6. The **nasal cavity** filters and warms the air we breathe. ✓

7. The **diaphragm** helps in the process of breathing. ✓

8. The bronchi branch into smaller **bronchioles**. ✓

9. The right lung has **three** lobes. ✓

10. The left lung has **two** lobes. ✓

11. The heart acts as a **pump** for blood circulation. ✓

12. The **atria** receive blood in the heart. ✓

13. The **ventricles** pump blood out of the heart. ✓

14. The **aorta** is the largest artery in the body. ✓

15. The pulmonary artery carries **deoxygenated blood** from the heart to the lungs. ✓

16. The pulmonary vein carries **oxygenated blood** to the heart. ✓

17. RBCs carry oxygen using **hemoglobin**. ✓
18. **WBCs** help fight infections. ✓
19. Platelets help in **blood clotting**. ✓
20. **Plasma** is the liquid part of blood. ✓
21. The pulmonary circuit carries blood between **heart and lungs**. ✓
22. **The systemic circuit** supplies oxygenated blood to the body. ✓
23. The coronary circulation supplies blood to the **heart muscle**. ✓
24. The lymphatic system helps in **immunity** and fluid balance.
25. The capillaries allow exchange of **gases and nutrients**. ✓

III. Descriptive Questions

1. **Explain the structure and functions of lungs.**
2. **Name the organs of the respiratory system.**
3. **Describe the anatomy of heart with a neat labelled diagram.**
4. **Write a short note on lymphatic system.**
5. **Describe the respiratory membrane and its importance.**