

Yakeen NEET 2.0 2026

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Breathing and Exchange of Gases

DPP: 2

- Q1** The breathing rate of a normal healthy man is:
 (A) 8-18 times/min
 (B) 6-12 times/min
 (C) 16-24 times/min
 (D) 12-16 times/min
- Q2** Which structure in human respiratory system is involved in conditioning of air?
 (A) Alveoli (B) Nasal chamber
 (C) Larynx (D) Sternum
- Q3** A thin-elastic cartilaginous flap which prevents the entry of food into the larynx is known as
 (A) Glottis (B) Wind pipe
 (C) Epiglottis (D) Bronchiole
- Q4** At which level of thoracic vertebrae, trachea divides
 (A) 2nd thoracic vertebra
 (B) 5th thoracic vertebra
 (C) 3rd thoracic vertebra
 (D) 4th thoracic vertebra
- Q5** Trachea divides into right and left
 (A) Secondary bronchi
 (B) Tertiary bronchi
 (C) Bronchioles
 (D) Primary bronchi
- Q6** Which is the correct sequence of air passage in man?
 (A) External nostril → Nasal passage → Internal nostril → Pharynx → Larynx → Trachea → Bronchi → Bronchioles → Alveoli
 (B) Nose → Larynx → Pharynx → Bronchioles → Bronchi → Alveoli
 (C) Nose → Pharynx → Larynx → Bronchioles → Bronchi → Alveoli
 (D) Nose → Bronchioles → Pharynx → Larynx → Bronchi → Alveoli
- Q7** Which of the following is **correct** about nasopharynx?
 (A) Internal nostrils open into nasopharynx
 (B) It is the common passage for both air and food
 (C) It opens through gullet of the larynx region into the trachea
 (D) All of the above
- Q8** Nasopharynx opens through.....of the larynx region into the trachea
 (A) Glottis
 (B) Gullet
 (C) Epiglottis
 (D) All of the above
- Q9** The part starting with the external nostrils upto the terminal bronchioles constitute the ____
 (A) Respiratory or exchange part of respiratory system
 (B) Inspiratory part
 (C) Conducting part
 (D) Expiratory part
- Q10** The functions of conducting part of the respiratory system has
 (A) Filter, warm and moisten the air



- (B) Gaseous exchange
- (C) Filtering the air only
- (D) Warm the air

Q11 The structure which does not contribute to the breathing movement in mammals is

- (A) Larynx
- (B) Ribs
- (C) Diaphragm
- (D) Intercoastal muscles

Q12 Wind pipe arises from

- (A) Larynx
- (B) Nasopharynx
- (C) Oropharynx
- (D) Laryngopharynx

Q13 **Directions :** In the following questions, a statement of Assertion (A) is followed by a statement of Reason (R).

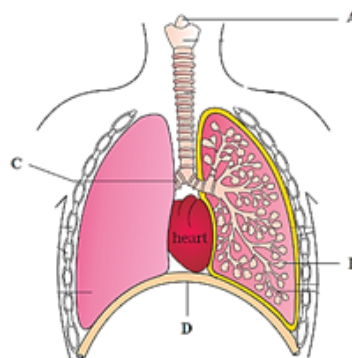
Assertion (A): Larynx is also known as sound box.

Reason (R): It is a bony box which helps in the sound production.

Mark the correct choice as:

- (A) If both assertion (A) and reason (R) are true and the reason (R) is a correct explanation of the assertion (A).
- (B) If both assertion (A) and reason (R) are True but reason (R) is not a correct explanation of the assertion (A).
- (C) If assertion (A) is true but the reason (R) is false.
- (D) If assertion (A) is false but the reason (R) is true.

Q14 The given figure shows the diagrammatic view of human respiratory system. Identify A, B, C and D.



- (A) A-Epiglottis, B-Alveoli, C-Bronchus, D-Diaphragm
- (B) A-Epiglottis, B-Alveoli, C-Bronchioles, D-Diaphragm
- (C) A-Sound box, B-Alveoli, C-Bronchus, D-Diaphragm
- (D) A-Sound box, B-Alveoli, C-Bronchioles, D-Diaphragm

Q15 Which is the site of actual diffusion of O_2 and CO_2 between blood and atmospheric air?

- (A) Respiratory part of respiratory system
- (B) Exchange part of respiratory system
- (C) Expiratory part of respiratory system
- (D) Both (A) & (B)

Q16 The thoracic chamber is formed dorsally by the _____ A _____, ventrally by the _____ B _____ laterally by the _____ C _____ and on lower side by the domeshaped _____ D _____.

Select the right choices for A, B, C and D to complete the given statement.

- (A) A-vertebral column, B-sternum, C-ribs, D-diaphragm
- (B) A-vertebral column, B-ribs, C-sternum, D-diaphragm
- (C) A-diaphragm, B-ribs, C-sternum, D-vertebral column
- (D) A-ribs, B-diaphragm, C-sternum, D-vertebral column



Q17 The lungs are enclosed in a covering called

- (A) Perichondrium
- (B) Pleural membrane
- (C) Pericardium
- (D) Peritoneum

Q18 Read the following statements and find out the **correct** statements.

(I) The lungs are situated in the thoracic chamber which is anatomically an air-tight chamber.

(II) The thoracic chamber is formed ventrally by the vertebral column.

(III) The thoracic chamber is formed lower side by the J shaped diaphragm.

(IV) Any change in the volume of the thoracic cavity will be reflected in the pulmonary cavity.

- (A) I, II and III only
- (B) II, III and IV only
- (C) I and IV only
- (D) I, II and IV only



Answer Key

Q1 (D)

Q2 (B)

Q3 (C)

Q4 (B)

Q5 (D)

Q6 (A)

Q7 (A)

Q8 (A)

Q9 (C)

Q10 (A)

Q11 (A)

Q12 (A)

Q13 (C)

Q14 (A)

Q15 (D)

Q16 (A)

Q17 (B)

Q18 (C)



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