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🡺DATE /29/9/2020/

🡺SUBJECT ANATOMY

🡺DEPT BS-MLT

QNO.01:-

ANSWER.NO:01:-

🡺 MECHANISM OF BREATHING:-

🡪Breathing is the physical process of inhaling oxygen and

-exhaling carbon dioxide.

🡪The mechanism of breathing involves two main processes-

-Inspiration and expiration.

🡪 Inspiration occurs when the diaphragm and the external intercostal muscles contract.

QNO.02:-

ANSWER.NO:02:-

🡺 Origin of Diaphragm:-

🡪 Muscles one can find the **origins** of the **diaphragm** along the lumbar vertebrae

of the spine and the inferior border of the ribs and sternum.

🡪The superior **diaphragm origin** is continuous from the xiphoid process anteriorly

to lower 6 costal cartilages of the thorax laterally and first 2 lumbar vertebrae

posteriorly.

QNO.03:-

ANSWER.NO:03:-

🡺 Attachments to the Sternum:-

🡪 The **ribs** are **classified** into three groups based on **their** relationship to

-the **sternum**.

🡪 **Ribs** 1–7 are **classified** as true **ribs** (vertebrosternal **ribs**).

🡪The costal cartilage from each of these **ribs** attaches directly to

-the **sternum**.

🡪**Ribs** 8–12 are called false **ribs** (vertebrochondral **ribs**).

QNO.04:-

ANSWER.NO:04:-

🡺GENERALL FEATURE OF FIRST RIBS:-

🡪 The **first rib** is the most curved and usually the shortest of all the **ribs**.

🡪It is broad and flat, its surfaces looking upward and downward,

-And its borders inward and outward.

🡪The head is small, rounded, and possesses only a single articular facet,

-For articulation with the body of the **first thoracic** vertebra.

QNO.05:-

ANSWER.NO:05:-

🡺 Mediastinum Divided:-

🡪 **The mediastinum** is an area found in the midline of the thoracic cavity,

🡪 That is surrounded by the left and right pleural sacs.

🡪It is **divided** into the superior and inferior **mediastinum**, of which the latter is

-Larger.

🡪The inferior **mediastinum** is further **divided** into the anterior, middle and

-Posterior **mediastinum**.

QNO.06:-

ANSWER.NO:06:-

🡺 Discuss The Structure Of Lungs:-

🡪 The **lungs** are a pair of spongy, air-filled organs located on either side of the

-Chest (thorax).

🡪 The trachea (windpipe) conducts inhaled air into the **lungs** through its tubular

-Branches, called bronchi.

🡪The bronchi then divide into smaller and smaller branches (bronchioles), finally

-Becoming microscopic.