

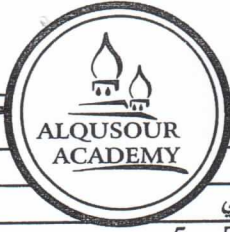
## Physiology Lab

سبقي التسجيل مستمر  
0785 70 60 08  
0795 33 99 34

كما يرسم خطوط النجاح والنمو

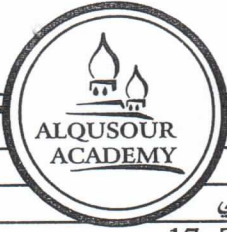
- Choose the correct answer:
- According to the ECG, answer the following three questions
1. If the paper speed is 25 mm/sec, the HR is:
    - a. 75 beats/min
    - b. 100 beats/min
    - c. 80 beats/min
    - d. 20 beats/min
    - e. 40 beats/min
  2. The Q-T interval is:
    - a. 0.16 sec
    - b. 0.36 sec
    - c. 0.2 sec
    - d. 0.04 sec
    - e. 0.4 sec
  3. A chest electrode in the mid clavicular line in the 5<sup>th</sup> inter-costal space is:
    - a. V<sub>1</sub>
    - b. V<sub>2</sub>
    - c. V<sub>3</sub>
    - d. V<sub>4</sub>
    - e. V<sub>5</sub>
  4. Which of the following ECG lead is bipolar lead:
    - a. aVR
    - b. aVL
    - c. aVF
    - d. Lead II
    - e. V<sub>4</sub>

مستمر وبن بالقطعة



5. **The negative terminal (the active exploring electrode), in the aVR lead is:**
  - a. The right foot
  - b. The left arm
  - c. The indifferent electrode
  - d. The right arm
  - e. None of the above
  
6. **The lead which is present at the apex of the heart is:**
  - a. V<sub>4</sub>
  - b. V<sub>1</sub>
  - c. V<sub>3</sub>
  - d. V<sub>6</sub>
  - e. aVL
  
7. **Lead I is record between:**
  - a. Left arm and right arm
  - b. Left arm and right leg
  - c. Left leg and right arm
  - d. Right arm and indifferent electrode
  - e. Right arm and right leg
  
8. **Which of the following is Not needed for Blood Pressure measurement:**
  - a. Air pump
  - b. Stethoscope
  - c. Mercury column
  - d. Inflatable cuff
  - e. Pulsator which detect pulse
  
9. **Lead III measures the potential difference between:**
  - a. Right arm and right foot
  - b. Right arm and left foot
  - c. Left arm and right foot
  - d. Left arm and left foot
  - e. Left foot and right foot
  
10. **The lead in which all waves are negative is:**
  - a. I
  - b. II
  - c. III
  - d. aVR
  - e. aVF

11. The zero electrical potential is assumed to be at:
- Right arm
  - Right foot
  - Left arm
  - Left foot
  - None of the above
12. All the following ECG Unipolar lead EXCEPT:
- aVF
  - lead II
  - aVL
  - V<sub>2</sub>
  - V<sub>6</sub>
13. If the duration of RR interval is 0.8 sec, How much the heart rate:
- 80
  - 90
  - 75
  - 60
  - 100
14. The speed of ECG machine is:
- 10 mm/min
  - 25 mm/min
  - 60 mm/min
  - 5 mm/min
  - 25 mm/sec
15. Which of the following cannot be measured by the Spirometer:
- Tidal Volume
  - Inspiratory Reserve Volume
  - Expiratory Reserve Volume
  - Total Lung Volume
  - Vital Capacity
16. Vital Capacity (VC):
- TV + IRV + ERV
  - TV + ERV + RV
  - VC + TLC + TV
  - TV + RV + FRC
  - None of the above



17. **The amount of air enters the lung at rest, is called:**
- Tidal Volume
  - Residual Volume
  - Inspiratory Volume
  - Expiratory Volume
  - None of the above
18. **All lung volumes and capacities are -----% less in female than males:**
- 20-25%
  - 15-20%
  - 25-30%
  - 30-40%
  - 5-10%
19. **The normal tidal volume is:**
- 600 ml
  - 700 ml
  - 800 ml
  - 900 ml
  - 500 ml
20. **Total lung volume consist of:**
- Residual Volume and Vital Capacity
  - Tidal Volume, Inspiratory Reserve Volume and Expiratory Reserve Volume
  - Residual Volume and Tidal Volume
  - None of the above
21. **Routine blood pressure measurement in man are usually performed using:**
- Blood Pressure transducer
  - Stethoscope
  - Sphygmomanometer
  - B and C
  - A and C
22. **Which of the following statement is correct if the Blood Pressure 120/80 mmHg:**
- Systolic BP = 120, and diastolic BP= 80
  - Diastolic BP = 120, and systolic BP = 80
  - Systolic BP = 80, and diastolic BP = 80
  - None of the above



23. Routine Blood Pressure measurement, the stethoscope is usually placed

on:

- The formal artery
- The ulnar artery
- The carotid artery
- The radial artery
- The Brachial artery

24. The sphygmomanometer cuff pressure, at the onset of tapping sounds, occurring during cuff deflection, is an indirect determination of:

- Mean arterial pressure
- Systolic pressure
- Pulse pressure
- Diastolic pressure
- None of the above

25. Which of the following is routinely used to take pulse measurement:

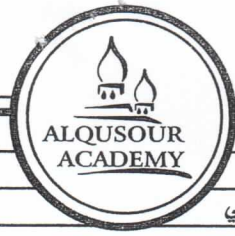
- Radial Pulse
- Facial artery Pulse
- Temporal artery Pulse
- Posterior tidal artery Pulse
- Brachial artery Pulse



اسألني

عن حجز القاعات الدراسية  
بالوسائل التعليمية التي ترغبها

نستقبلكم يومياً من الساعة 12:00 ظهراً ولغاية الساعة 12:00 ليلاً  
للحجز والاستفسار: 0787394448



## Answer Key

| Question No. | Answer                                     |
|--------------|--|
| 1            | A. 75 beats/min                            |
| 2            | E. 0.4 sec                                 |
| 3            | D. V <sub>4</sub>                          |
| 4            | D. Lead II                                 |
| 5            | D. The right arm                           |
| 6            | A. V <sub>4</sub>                          |
| 7            | A. Left arm and right arm                  |
| 8            | E. Pulsator which detect pulse             |
| 9            | D. Left arm and left foot                  |
| 10           | D. aVR                                     |
| 11           | B. Right foot                              |
| 12           | B. lead II                                 |
| 13           | C. 75                                      |
| 14           | E. 25 mm/sec                               |
| 15           | D. Total Lung Volume                       |
| 16           | A. TV + IRV + ERV                          |
| 17           | A. Tidal Volume                            |
| 18           | A. 20-25%                                  |
| 19           | E. 500 ml                                  |
| 20           | A. Residual Volume and Vital Capacity      |
| 21           | D. B and C                                 |
| 22           | A. Systolic BP = 120, and diastolic BP= 80 |
| 23           | E. The Brachial artery                     |
| 24           | B. Systolic pressure                       |
| 25           | A. Radial Pulse                            |

نعم بفضلكم