

## Examrace

# Competitive Exams: Medical Science MCQs (Practice\_Test 109 of 135)

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1. ◦ **Assertion (A):** Osteoblasts are multinucleated giant cells found on the surfaces of bone.
  - **Reason (R):** Multinucleated giant cells are found where resorption of bone occurs and are placed in shallow depressions in bone known as Howships lacunae.
    - a. Both A and R are true and R is the correct explanation of A
    - b. Both A and R are true but R is not a correct explanation of A
    - c. A is true but R is false
    - d. A is false but R is true
2. ◦ **Assertion (A):** Intersegmental artery in the adults is found in the middle of a vertebra.
  - **Reason (R):** The body of a vertebra is formed by the fusion of consecutive segments of sclerotomes.
    - a. Both A and R are true and R is the correct explanation of A
    - b. Both A and R are true but R is not a correct explanation of A
    - c. A is true but R is false
    - d. A is false but R is true
3. ◦ **Assertion (A):** A midcollicular section in cat leads to decerebrate rigidity. 10 of 1.
  - **Reason (R):** Muscle tone is the algebraic sum of the activity along the descending facilitatory and inhibitory reticular projections.
    - a. Both A and R are true and R is the correct explanation of A
    - b. Both A and R are true but R is not a correct explanation of A
    - c. A is true but R is false
    - d. A is false but R is true
4. ◦ **Assertion (A):** Lesion of the pneumotaxic centre increases the depth of inspiration.
  - **Reason (R):** Pneumotaxic centre is situated at nucleus parabrachialis of upper pons.

- a. Both A and R are true and R is the correct explanation of A
  - b. Both A and R are true but R is not a correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
5. ◦ **Assertion (A):** Tissue reaction in tuberculosis is recognised as tubercle formation.
- **Reason (R):** Tubercle formation is due of the accumulation of large mononuclear phagocytic cells around tubercle bacilli and cell debris as a local allergic reaction.
- a. Both A and R are true and R is the correct explanation of A
  - b. Both A and R are true but R is not a correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
6. ◦ **Assertion (A):** In acute appendicitis when the appendix is retrocaecal, there is flexion of hip joint.
- **Reason (R):** There is rigidity of the quadratus lumborum.
- a. Both A and R are true and R is the correct explanation of A
  - b. Both A and R are true but R is not a correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
7. ◦ **Assertion (A):** High velocity missile wounds are treated by delayed primary closure.
- **Reason (R):** There is considerable injury to deeper structures.
- a. Both A and R are true and R is the correct explanation of A
  - b. Both A and R are true but R is not a correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
8. ◦ **Assertion (A):** *Burgia malayi* filariasis is mostly restricted to parts of Kerala.
- **Reason (R):** A resistant strain of parasite has developed in Kerala.
- a. Both A and R are true and R is the correct explanation of A
  - b. Both A and R are true but R is not a correct explanation of A
  - c. A is true but R is false

- d. A is false but R is true
9. ◦ **Assertion (A):** A PHC must not hold, more than one months stock of vaccine at a time.
- **Reason (R):** The PHC is required to distribute the vaccines on a weekly basis for storage at the sub-centres.
- a. Both A and R are true and R is the correct explanation of A
- b. Both A and R are true but R is not a correct explanation of A
- c. A is true but R is false
- d. A is false but R is true
10. ◦ **Assertion (A):** Couple protection rate (CPR) to be achieved by the year 2000 AD is 60%.
- **Reason (R):** Net reproduction rate (NRR) to be achieved is 1.5.
- a. Both A and R are true and R is the correct explanation of A
- b. Both A and R are true but R is not a correct explanation of A
- c. A is true but R is false
- d. A is false but R is true
11. ◦ **Assertion (A):** Stroke volume increases during muscular exercise.
- **Reason (R):** The metabolites produced by the contracting muscles enhance cardiac contractility.
- a. Both A and R are true and R is the correct explanation of A
- b. Both A and R are true but R is not a correct explanation of A
- c. A is true but R is false
- d. A is false but R is true
12. Posteriorly, the membranous part of interventricular septum separates
- a. right ventricle from right atrium
- b. right ventricle from left atrium
- c. left ventricle from right atrium
- d. left ventricle from left atrium
13. Match List I with List II and select the correct answer.

List-I	List-II
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A. Foramina venerum minimarum	1. Sinuses of valsalva
B. Crista	2. Right and left atrium, right ventricle
C. A-V node	3. Muscular ridge on lateral wall of right atrium internally; corresponds externally to sulcus terminalis
D. Coronary artery orifices	4. Triangle of Koch

**A B C D**

a. 2 3 1 4

b. 1 2 4 3

c. 1 2 3 4

d. 2 3 4 1

14. The only muscular connection between myocardium of atria and myocardium of ventricles is

- a. Musculi pectinati
- b. Trabeculae carneae
- c. Atrioventricular bundle
- d. Atrioventricular node

15. Which one of the following arteries (supplying stomach) is not a direct branch from coeliac trunk?

- a. Left gastric
- b. Splenic
- c. Right gastric
- d. Hepatic