

## Examrace

# Competitive Exams: Medical Science MCQs (Practice\_Test 55 of 135)

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1. Which one of the following statements regarding the spleen is NOT correct
  - a. It is highly vascular
  - b. Its long axis lies along the 10th rib
  - c. It is normally palpable in adults below the rib margin
  - d. It is related to both greater and lesser sacs of the peritoneum
  
2. Consider the following structures in the ovary:
  - a. Graafian follicle
  - b. Corpus luteum
  - c. Atretic follicle

The correct sequence of formation of these structures is:

- a. 3, 1, 2
  - b. 3, 2, 1
  - c. 1, 3, 2
  - d. 2, 3, 1
3. Match List I (components of adrenal gland) with List II (Secretory products) and select the correct answer:

List-I	List-II
A. Zona glomerulosa	1. Glucocorticoids
B. Zona reticularis	2. Noradrenaline
C. Zona fasciculate	3. Aldosterone
D. Chromaffin cells	4. Sex hormones

**A B C D**

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

4. Anterior nucleus of thalamus receives fibres from

- a. superior colliculus
- b. nucleus of medial geniculate body
- c. red nucleus
- d. nucleus of mamillary body

5. In motor homunculus of cerebral cortex, which one of the following regions is represented most?

- a. Hand and fingers
- b. Hip
- c. Trunk
- d. Face

6. Consider the following branches of the vertebral artery:

- a. Pontine branches
- b. Posterior cerebral artery
- c. Superior cerebellar artery
- d. Anterior spinal artery

The correct sequence of the origin of these branches from below upwards is

- a. 3, 2, 4, 1
- b. 4, 3, 1, 2
- c. 4, 1, 3, 2
- d. 2, 1, 4, 3

7. Injury to the facial nerve at the level of the stylomastoid foramen results in
  - a. Loss of taste from the anterior twothird of the tongue
  - b. Deafness
  - c. Loss of sensations on the face
  - d. Paralysis of buccinator muscle
8. Which one of the following descending tracts of the spinal cord becomes myelinated last?
  - a. Tectospinal
  - b. Corticospinal
  - c. Olivospinal
  - d. Reticulospinal
9. Iris is constricted by stimulation of
  - a. Ophthalmic nerve
  - b. Cervical sympathetic chain
  - c. Oculomotor nerve
  - d. Trochlear nerve
10. When a patient voluntarily deviates the eyes to the left, the cortical efferent pathway comes from
  - a. Left frontal lobe
  - b. Right frontal lobe
  - c. Left occipital lobe
  - d. Right occipital lobe
11. Which of the following is NOT a histological feature of a bronchiole?
  - a. Simple columnar ciliated epithelium
  - b. Plates of hyaline cartilage
  - c. Goblet cells
  - d. Spirally disposed smooth muscle fibres
12. Consider the following statements about sertoli cells in the seminiferous tubule:
  - a. they extend from the basement membrane to the lumen

- b. They undergo division
- c. they have phagocytic activity
- d. They have endocrine function

Which of the above statements are correct?

- a. 1, 2 and 3
  - b. 2 and 4
  - c. 1 and 3
  - d. 1, 3 and 4
13. Which one of the following is NOT a feature of Osteoclast cells?
- a. the cytoplasm is rich in rough endoplasmic reticulum
  - b. Cells are multinucleated
  - c. They are bone removing cells
  - d. Their size is 100  $\mu\text{m}$  or more
14. Consider the following statements regarding parafollicular cells of the thyroid gland:
- a. They are activated by thyroid stimulating hormone.
  - b. They are suppressed by hypocalcaemia.
  - c. They control release of Calcitonin.
  - d. They control release of triiodothyronine.
15. Which one of the following statements is NOT correct regarding the development of the body of a vertebra?
- a. It develops from mesenchymal cells
  - b. Centrum is formed by cells of two adjacent sclerotomes
  - c. There is no contribution from the neural arch
  - d. Notochord degenerates and disappears within the body of a vertebra