

## Examrace

# Competitive Exams: Medical Science MCQs (Practice\_Test 54 of 135)

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1. As per the FAO/WHO recommendation, the reduction in the intake of calories after the age of 40 years should be
  - a. 5% for each decade until the age of 60 years and by 10% for each decade thereafter
  - b. 5% for each decade without any change
  - c. 10% for each decade until the age of 60 years and by 15% for each decade thereafter
  - d. 10% for each decade without any change
2. ◦ **Assertion (A):** Avascular lesion in the internal capsule results in contralateral hemiplegia.
  - **Reason (R):** Corticospinal tract occupies the posterior limb of internal capsule.
    - 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 the correct explanation of A
    - c. A is true but R is false
    - d. A is false but R is true
3. ◦ **Assertion (A):** Spermatids are located near the basement membrane of the seminiferous tubules.
  - **Reason (R):** Spermatids are the most mature component of the spermatogenic series.
    - 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 the correct explanation of A
    - c. A is true but R is false
    - d. A is false but R is true
4. ◦ **Assertion (A):** Pentose phosphate pathway is essential for maintaining the integrity of erythrocytes.
  - **Reason (R):** The enzymes of pentose phosphate pathway are located in the cytoplasm of erythrocytes.

- 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 the correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
5. ◦ **Assertion (A):** Intension tremor appears in cerebellar disease.
- **Reason (R):** There occurs oscillations in the feedback circuit of stretch reflex in cerebellar disease.
  - 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 the correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
6. ◦ **Assertion (A):** Neisseria meningitidis is a gram-negative diplococcus causing meningitis.
- **Reason (R):** Chemical composition of meningococcal capsular polysaccharide is same in all 13 serogroups of meningococcal.
  - 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 the correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
7. ◦ **Assertion (A):** In kwashiorkor a child although not thin but appears apathetic, oedematous and has skin and hair changes.
- **Reason (R):** In kwashiorkor acute protein depletion of the liver does not allow synthesis of plasma albumin of very low density lipoprotein.
  - 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 the correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
8. ◦ **Assertion (A):** Resistance to the action of insulin at the muscle is seen in both obese and non obese patients with type 2 diabetes mellitus.
- **Reason (R):** Hyperglycaemia can induce insulin resistance through glucose toxicity.

- 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 the correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
9. ◦ **Assertion (A):** Pancoast's tumour produces brachial palsy, Horner's syndrome and rib erosion.
- **Reason (R):** Pancoast's tumour are noninvasive and produce brachial palsy Horner's syndrome by compression.
  - 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 the correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
10. ◦ **Assertion (A):** Double blind studies ensure objective assessment.
- **Reason (R):** The investigator knows to which group a subject belongs.
  - 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 the correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
11. ◦ **Assertion (A):** For surveillance of acute Flaccid Paralysis, at least one case of less than 15 years should be reported for one lakh population.
- **Reason (R):** This data is expected from non-polio paralysis case.
  - 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 the correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
12. ◦ **Assertion (A):** The presence of spores of clostridium perfringens in drinking water in the absence of the more common coliform group of organisms indicates that faecal contamination occurred at some remote time.
- **Reason (R):** The spores of clostridium perfringens are capable of surviving in water for a long.

- 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 the correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
13. Which one of the following ligaments of hip joint acts against gravity in the erect standing posture?
- a. Ischiofemoral ligament
  - b. Ligament of the head of the femur
  - c. Iliofemoral ligament
  - d. Transverse ligament of acetabulum
14. Match List I with List II and select the correct answer:

List-I (Veins)	List-II (drainage sites)
A. Superior mesenteric vein	1. Inferior vena cava
B. Inferior phrenic vein	2. Left renal vein
C. Left gastroepiploic vein	3. Portal vein
D. Left testicular vein	4. splenic vein

**A B C D**

- a. 1 3 2 4
  - b. 3 1 4 2
  - c. 1 3 4 2
  - d. 3 1 2 4
15. Consider the following statements with reference to stomach:
- a. all the arteries that supply stomach arise from celiac artery and its branches.
  - b. all the nerves that supply it are branches of vagus.
  - c. All its venous blood is drained into the portal system.

Which of the above statements are correct?

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

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