

## Examrace

### Competitive Exams: Medical Science MCQs (Practice\_Test 42 of 135)

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1. distinction between a poorly differentiated carcinoma and a lymphoma can be made by immunoperoxidase staining of the tumour tissue with antibodies directed against
  - a. desmin
  - b. myoglobin
  - c. vimentin
  - d. cytokeratin
  
2. Match List I (Morphological types of infarct) with List II (Extent of myocardial infarct) and select the correct answer:

List-I	List-II
A. Transmural	1. Restricted only in the midst of myocardium
B. Subendocardial	2. Overlapping of transmural infarct
C. Intramural	3. Through the through the myocardium
D. Sub-pericardial	4. Sub-picardial region of the myocardium

**A B C D**

- a. 3 2 1 4
  - b. 2 3 1 4
  - c. 3 2 4 1
  - d. 4 3 2 1
3. Consider the following antigens/antibodies:
    - a. Antibody to surface antigen (Anti HBs Ag antibody)

- b. HBe Ag (Hepatitis B envelope antigen)
- c. HBs AG (Hepatitis B surface antigen)

The correct sequence of their appearance in Hepatitis B virus infection is

- a. 3,2, 1
  - b. 1,2, 3
  - c. 3,1, 2
  - d. 2,1, 3
4. Consider the following events:
- a. Ingestion of cyst
  - b. Invasion of superior mesenteric vein
  - c. Excystation
  - d. Lung abscess
  - e. Liver abscess

The correct sequence of these events in the genesis of pulmonary amoebiasis is

- a. 1, 2,3, 5,4
  - b. 1, 4,2, 5,4
  - c. 1, 5,3, 2,4
  - d. 1, 3,5, 2,4
5. Nocardia resemble actinomyces morphologically but
- a. are anaerobic
  - b. are facultative anaerobic
  - c. are aerobic
  - d. require CO<sub>2</sub> for growth
6. Rapid diagnosis of tuberculosis is possible with
- a. auramine-rhodamine stain
  - b. Ziel-Neelsen stain
  - c. Giemsa stain
  - d. Leishman stain

7. Match List I (organism) with List II (Medium used for cultivation) and select the correct answer:

List-I	List-II
A. <i>Vibrio cholerae</i>	1. Wilson and Blair medium
B. <i>Salmonella typhi</i>	2. Thayer-Martin medium
C. <i>Neisseria meningitidis</i>	3. chocolate agar
D. <i>Mycobacteria tuberculosis</i>	4. Thiosulphate citrate bile sucrose agar (TCBS)
	5. Lowerstein-Jensen medium

**A B C D**

a. 2 1 5 4

b. 3 4 2 5

c. 4 2 3 1

d. 4 1 3 5

8. Which one of the following ensures earliest laboratory diagnosis of enteric fever?

- Detection of microbial antigen by coagglutination method
- Detection of titration of antibody by various serological tests
- Blood culture
- None of the above

9. The vaccine against *N. Meningitidis* contains

- Whole bacteria
- Capsular polysaccharide
- Somatic O antigen
- lipopolysaccharide-protein complex

10. A 25-year old male with congenital cyanotic heart disease reports to emergency with history of headaches. On examination, there is a systolic murmur best heard on the left side of the sternum in the fourth intercostals space; the second sound is not split. Temperature is 37.50 C. What is the most likely diagnosis?

- a. Cortical vein thrombosis
  - b. Pyogenic septicaemia
  - c. Cerebral abscess
  - d. Encephalitis
11. A 45-year old diabetic patient, usually well controlled on oral hypoglycaemic reports to the casualty with severe dehydration. His biochemical profile is: Sodium 148 meq/l, Potassium 3.2 mEq/l, Bicarbonate 4 mEq/l, chloride 118 mEq/l, PaCO<sub>2</sub> 13.5 mm Hg, pH-7 – 08 and Glucose-140 mg/100 ml. The most likely diagnosis is
- a. Lactic acidosis
  - b. Diabetic ketoacidosis
  - c. Lactic acidosis with hyperchloremic acidosis
  - d. Hyperchloremic acidosis
12. Consider the following statements: In protein energy malnutrition in adults
- a. 24 hour urinary Creatinine/height ratio is decreased.
  - b. plasma Cortisol is often increased.
  - c. reverse T<sub>3</sub> (rT<sub>3</sub>) is low.
  - d. they may be high plasma insulin level.

Which of these statements are correct?

- a. 1,2, and 3
  - b. 2,3 and 4
  - c. 1,3 and 4
  - d. 1,2 and 4
13. Consider the following statements regarding lacunar infarction:
- a. Hypertension is the principal risk faction.
  - b. It may be preceded by transient ischemic attacks.
  - c. It is the result of embolic episodes.
  - d. It varies in size from 3 or 4 mm to 1 – 2 cm.

Which of these statemtns are correct?

- a. 1 and 4
- b. 2 and 3

c. 1,2 and 4

d. 3 and 4

14. All the following are true regarding cardiac imaging in diagnosis of acute MI Except:

a. Thallium-201 produces cold spots

b. Technitium-99 produces hot Spots

c. Perfusion scanning is highly specific

d. Old areas of infarction cannot be distinguished from acute infarct area by 2 – D echocardiography

15. Microalbuminuria refers to urinary albumin excretion rate of

a. 30 – 300 mg/24 hour

b. 400 – 600 mg/24 hour

c. 700 – 300 mg/24 hour

d. > 100 mg/24 hour

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