

## Examrace

# Competitive Exams: Medical Science MCQs (Practice\_Test 48 of 135)

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1. Consider the following vascular events:

- a. Opening of new capillary and venular bed in the area.
- b. Arteriolar dilatation sometimes preceded by transient vasoconstriction.
- c. Increased permeability of the microvasculature with the outpouring of inflammatory fluid into the extra vascular tissue.

The correct sequence of their occurrence during inflammation is:

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

2. Which of the following chemical mediators of acute inflammation cause increased vascular permeability

- a. Bradykinin
- b. Leukotrienes
- c. Kallikrein
- d. Histamine

Select the correct answer using the codes given below:

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

3. Connective tissue in a scar is formed by which one of the following types of fibrillar collagen?

- a. Type II, III, IV

- b. Type I, III, V
  - c. Type I, II, V
  - d. Type III, V, VII
4. Which one of the following terminology is used for ectopic rests of non-transformed tissues?
- a. Hamartoma
  - b. Teratoma
  - c. Choristoma
  - d. Mesenchymoma
5. The type of chromosomal anomaly associated with chronic myeloid leukaemia is
- a. Deletion
  - b. Translocation
  - c. Non-dysfunction
  - d. inversion
6. Consider the following criteria:
- a. Degree of differentiation
  - b. Mitotic activity
  - c. Extent of spread
  - d. Necrosis

The criteria on which grading of tumours is based are

- a. 1 and 4
  - b. 1 and 2
  - c. 1, 2 and 3
  - d. 2, 3 and 4
7. Match List I with List II and select the correct answer:

List-I (Manifestations)	List-II (Malignant tumours)
A. Polycythemia	1. Renal cell carcinoma
B. Hypoglycemia	2. Fibrosarcoma

C. Hypercalcemia	3. breast carcinoma
D. Cushing's syndrome	4. Prostatic carcinoma
	5. small cell carcinoma of lung

**A B C D**

a. 3 1 4 5

b. 1 2 4 3

c. 5 4 3 2

d. 1 2 3 5

8. Seroepidemiological studies have associated coronary artery disease and atherosclerosis with antibody to

- a. Chlamydia trachomatis
- b. Chlamydia pneumoniae
- c. Chlamydia psittaci
- d. Mycoplasma pneumoniae

9. HBsAg is seen in

- a. Golgi bodies
- b. Endoplasmic reticulum
- c. Mitochondria
- d. nucleolus

10. Laboratory diagnosis of amoebic hepatitis includes

- a. Demonstration of entamoeba histolytica cysts in stool
- b. aldehyde test
- c. Indirect haemagglutination test
- d. Sabin dye test

11. The antigen used in Casoni's test is

- a. alcoholic extract of adult worm
  - b. sterile fluid from hydatid cyst
  - c. purified protein from the wall of the cyst
  - d. saline extract from infected tissue
12. M. Tuberculosis bacilli that grow within the macrophage are killed by
- a. reactive oxygen mechanism
  - b. oxygen independent bactericidal mechanism
  - c. nitric oxide mechanism
  - d. hydrolytic enzymes
13. In Weil-Felix reaction, agglutination positive with OXK antigen indicates infection with
- a. rickettsia akari
  - b. rickettsia tsutsugamushi
  - c. rickettsia prowazekii
  - d. rickettsia typhi
14. Consider the following statements: CD4 bearing sub-population of microphages are attacked by HIV
- a. cause cytopathic effects.
  - b. act as reservoir of HIV infection.
  - c. act as source of infection in nervous system.
  - d. cause defects in CD4 + T-lymphocytes.
15. Match List I with List II and select the correct answer:

List-I (Autoimmune diseases)	List-II (Auto antibody)
<ul style="list-style-type: none"> <li>A. Rheumatoid arthritis</li> <li>B. Goodpasture's syndrome</li> <li>C. Addison's disease</li> <li>D. Graves'disease</li> </ul>	<ul style="list-style-type: none"> <li>1. Antibody to Thyroglobulin</li> <li>2. Antibasement membrane antibody</li> <li>3. thyroid stimulating immunoglobulin</li> <li>4. Antigammaglobulin antibodies</li> <li>5. antibodies to adrenal cells</li> </ul>

**A B C D**

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a. 4 2 5 3

b. 5 2 4 1

c. 4 3 2 1

d. 2 4 5 3

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