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Competitive Exams: Medical Science MCQs (Practice_Test 61 of 135)

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1. Consider the following statements: Porphyrin ring is present in
- haemoglobin
 - cytochrome
 - catalase
 - porphobilinogen

Which of these statements are correct?

- 1,2 and 3
 - 1 and 2
 - 2 and 4
 - 1,3 and 4
2. Over half of the Potassium that appears in the urine of a patient, who has ingested some potassium salts, is derived from
- Glomerular filtrate
 - Secretion by the distal tubule
 - Reabsorption in the proximal tubule
 - Secretion by the loop of Henle
3. Consider the following statements: Blood buffers are
- bicarbonates
 - Haemoglobins
 - Na proteinate/protein

Which of the above statements are correct?

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

4. Match list I with List II and select the correct answer:

List-I (Enzymes)	List-II (Prosthetic group)
A. Glycogen phosphorylase	1. NAD +
B. Transketolase	2. Biotin
C. Pyruvate carboxylase	3. Thiamine pyrophosphate
D. Lactate dehydrogenase	4. NADP +
	5. Pyridoxal phosphate

 A B C D

- a. 3 4 2 5
- b. 5 3 2 1
- c. 3 2 4 5
- d. 5 4 3 1

5. Consider the following statements; Regulatory enzymes of Glycolysis are

- a. Phospho fructokinase
- b. Enolase
- c. Pyruvate kinase
- d. Aldolase

Which of the above statements are correct?

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

6. Starting from the 3' end (acceptor arm) the correct sequence (towards 5' end) of arms in tRNA is
- pseudouridine arm, anticodons arm, variable arm, D arm
 - D arm, anticodons arm, variable arm, pseudouridine arm
 - Pseudouridine arm, variable arm, anticodons arm, D arm
 - D arm, variable arm, anticodons arm, pseudouridine arm
7. The rod receptor potential differs from other sensory receptors in that it shows
- Depolarization
 - Decreased negativity
 - Increased conductance of Na
 - Hyperpolarization
8. Match list I (Types of receptor) with List II (Methods of action potential generation) and select the correct answer:

List-I	List-II
A. Olfactory receptors	1. Alteration of ionic current through H ⁺ gated cation or Na ⁺ or K ⁺ channel
B. Photoreceptors	2. Mechanically sensitive cation channel
C. Hair cells	3. Na ⁺ induced Hyperpolarization
D. Gustatory receptors	4. Light sensitive Ca ²⁺ channel opening

A B C D

- 3 5 2 1
 - 5 3 1 4
 - 5 3 2 1
 - 3 5 1 4
9. Consider the following statements regarding hemolytic jaundice:
- serum conjugated bilirubin is increased

- b. serum unconjugated bilirubin is increased
- c. serum urobilinogen is increased
- d. urine urobilinogen is absent

Which of the above statements are correct?

- a. 1 and 3
 - b. 2 and 4
 - c. 2 and 3
 - d. 1 and 4
10. Which one of the following is a substrate for ribonucleotide reductase in the synthesis of deoxyribonucleotide in humans?
- a. ATP
 - b. GTP
 - c. TDP
 - d. UDP
11. The pyruvate utilization in tissues is decreased in
- a. Pernicious anemia
 - b. Scurvy
 - c. Beriberi
 - d. Pellagra
12. The major sign of hypoventilation is
- a. Hypoxia
 - b. cyanosis
 - c. Hypercapnia
 - d. Dyspnea
13. Glomus cells are present in
- a. carotid body
 - b. aortic body
 - c. aortic arch

Select the correct answer using the codes given below:

- a. 1,2 and 3

b. 1 and 2

c. 2 and 3

d. 1 and 3

14. Which one of the following is associated with conjugated hyperbilirubinemia?

a. Lucey-Driscoll syndrome

b. Gilbert's syndrome

c. Rotor's syndrome

d. Criglar-Najjar syndrome

15. Which one of the following is an example of antioxidant endogenous enzyme?

a. Cytochrome oxidase

b. Superoxide dismutase

c. Creatine kinase

d. Xanthine oxidase

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