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Competitive Exams: Medical Science MCQs (Practice_Test 74 of 135)

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1. Consider the following characteristic features with reference to stratum basale of epidermis:
 - a. Is consists of a single layer of columnar cells
 - b. Tonofibrils are contained in the cytoplasm of its columnar cells
 - c. New cells are produced in this layer to replace the worn out surface cells
 - d. The cells are implicated in the formation of keratin

Which of the statements given above are correct?

- a. 1,2 and 3
 - b. 1 and 3
 - c. 2 and 4
 - d. 1,2, 3 and 4
2. The conjugated bilirubin in plasma is predominantly elevated when there is
 - a. Excess production of bilirubin due to hemolysis
 - b. Decreased uptake of bilirubin into hepatic cells
 - c. Disturbed intracellular protein binding of bilirubin in hepatocytes
 - d. Intrahepatic or extrahepatic bile duct obstruction
 3. Puromycin which inhibits protein synthesis is a structural analog of
 - a. tyrosinyl-tRNA
 - b. aminoacyl-tRNA
 - c. tyrosinyl-mRNA
 - d. aminoacyl-mRNA

4. Which group of the following vitamins play key roles in the citric acid cycle?
 - a. Riboflavin, folic acid and pyridoxine
 - b. Thiamin, Vitamin B12 and Vitamin B6
 - c. Riboflavin, Niacin, Thiamin and Pantothenic acid
 - d. Biotin, Riboflavin, Thiamin and Niacin
5. Purine deficiency state in humans is primarily due to deficiency of
 - a. Folic acid
 - b. Vitamin B12
 - c. Vitamin B6
 - d. Vitamin A
6. The urine would become clear in patient excreting milky urine by replacing dietary fat with
 - a. Monoacyl glycerols
 - b. Long chain-length fatty acids
 - c. Poly-unsaturated fats
 - d. Fatty acids having less than 12 carbons
7. Hydrophobic centre of micelles in intestinal lumen contains
 - a. Fatty acids, monoglycerides, cholesterol
 - b. Bile salts, bilirubin, biliverdin
 - c. Bile salts, Creatinine, lecithin
 - d. Amino acids, glucose, urea
8. The infective stage of Ascaris to human beings is
 - a. Freshly passed eggs
 - b. Rhabditiform larva
 - c. Filariform larva
 - d. Embryonated eggs
9. Consider the following statements with reference to rheumatoid arthritis:
 - a. Females are affected three times more commonly than males.
 - b. Presence of HLA-DR 3 allele is associated with the development of side effect of gold therapy.

- c. characteristically there is involvement of distal interphalangeal joints.
- d. Atlanto-axial subluxation may occur due to involvement of upper cervical spine.

Which of the statements given above are correct?

- a. 1,2 and 3
 - b. 1,3 and 4
 - c. 1,2 and 4
 - d. 1,3 and 4
10. Consider the following features with reference to amoebic liver abscess:
- a. Right lobe is most commonly involved
 - b. Pus contains cysts of *Entamoeba histolytica*
 - c. Metronidazole is the drug of choice
 - d. Aspiration of liver abscess should always be done

Which of the statements given above are correct?

- a. 1,2 and 3
 - b. 1 and 2
 - c. 2 and 3
 - d. 1 and 3
11. Consider the following statements with reference to status epilepticus
- a. Cerebrospinal fluid cells and protein may increase
 - b. Fluctuating level of consciousness, automatic behaviour are observed in complex partial variety
 - c. The ictal events are rapidly recurring with no loss of consciousness
 - d. Phenytoin in dosage of 20 mg/kg intravenously is the preferred drug

Which of the statements given above are correct?

- a. 2 and 3
 - b. 3 and 4
 - c. 1,3 and 4
 - d. 1,2 and 4
12. Consider the following:

- a. Autosomal dominate inheritance
- b. Early onset of hyperglycemia
- c. Impaired insulin secretion
- d. Autosomal recessive inheritance

Which of the above are used to diagnose MODY (Maturity Onset Diabetes in the Young) ?

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

13. Match List I (clinical condition) with List II (Urinary finding) and select the correct answer using the codes:

List-I	List-II
A. Pre-renal azotaemia	1. Oxalate crystals
B. Ischaemic acute tubular necrosis	2. Eosinophiluria
C. Ethylene glycol ingestion	3. Muddy brown grannular casts
D. Atheroembliism	4. Hyaline casts

A C B D

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

14. Which one of the following parameters is not used for assessing the Glasgow Coma Scale?

- a. Motor response
- b. Verbal response
- c. Eye opening

d. Pupillary reflex

15. Match List I (Causative Factor) with List II (ECG Abnormalities) and select the correct answer using the codes:

List-I	List-II
A. Digitalis effect	1. Shortened Q. T. Interval
B. Hypercalcemia	2. sine wave
C. Hyperkalemia	3. Osborn wave
D. Hypothermia	4. Square root sign

A B C D

a. 3 2 1 4

b. 4 2 1 3

c. 3 1 2 4

d. 4 1 2 3

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