

Medical Entrance Examination Questions

Q1. Bone marrow density 2 SD below the reference level is labeled as:

- a. Normal level
- b. Low bone mass
- c. Osteoporosis
- d. Severe osteoporosis

Q2. Which of the following joint is rarely involved in SLE?

- a. PIP joints
- b. Carpal joints
- c. Knee joints
- d. Sacroiliac joints

Q3. The term "Large vessels" in large vessel vasculitis indicates:

- a. Arteries arising from arch of aorta
- b. Arteries directly arising from any part of aorta
- c. Arteries of size (diameter) more than 5 cm
- d. Arteries supplying the main viscera

Q4. The most commonly used drug in sarcoidosis is:

- a. Methotrexate
- b. Azathioprine
- c. Steroid
- d. NSAIDS

Q5. A 45 years old male presented with jaundice and ascites. On evaluation, his serum bilirubin was 2.1 mg/dl, serum 5. A 45 years old male presented with jaundice and ascites. On evaluation, his serum bilirubin was 2.1 mg/dl, serum 5. A 45 years old male presented with jaundice and ascites. On evaluation, his serum bilirubin was 2.1 mg/dl, serum albumin was 3.4 g/dl, INR was 1.8, had controlled ascites and minimal HE. His Child Pugh class would be

- a. A
- b. B
- c. C
- d. Above data are insufficient to classify

Q6. Half life of serum albumin is:

- a. 1-3 days
- b. 3-7 days
- c. 7-14 days
- d. 14-21 days

Q7. Which of the following micronutrient potentiates action of insulin?

- a. Zinc
- b. Chromium
- c. Magnesium
- d. Calcium

Q8. Magenta tongue is seen due to the deficiency of:

- a. Thiamine
- b. Riboflavin
- c. Niacin
- d. Pyridoxine

Q9. The score system used to estimate the risk of ischemic stroke in the first two days after TIA is:

- a. NIHSS
- b. CHA₂DS₂-VASc
- c. HAS-BLED
- d. ABCD₂

Q10. Diastolic murmur heard in apex in a case of aortic regurgitation is due to:

- a. Carey coombs murmur
- b. Gallavardin phenomenon
- c. Austin flint murmur
- d. Dock's murmur

Q11. Which of the following electrolyte disorder causes atrioventricular block?

- a. Hypokalemia
- b. Hypernatremia
- c. Hypomagnesemia
- d. Hypermagnesemia

Q12. Which of the following is not included in family of PSVT?

- a. AV node reentry
- b. AV node reentry using accessory pathway
- c. Atrial tachycardia
- d. Inappropriate sinus tachycardia

Q13. What happens to blood pressure and heart rate during recovery phase of Valsalva maneuver?

- a. ↓BP, ↓HR
- b. ↓BP, ↑HR
- c. Both BP and HR ↓
- d. Both BP and HR ↑

Q14. Which of the following is not true about tetanus?

- a. It is completely preventable by vaccination
- b. Puncture entry wound is found in every case
- c. Deeper infections are associated with more severe disease
- d. Persons more than 60 years of age are at greater risk of

tetanusPersons more than 60 years of age are at greater risk of tetanus

Q15. Adult intestinal colonization botulism is associated with

- a. Food borne
- b. Traumatic wound contamination
- c. Iatrogenic
- d. Antibiotic use

Q16. A 9 year boy presented with the features of truncal and limb ataxia, dysarthria, myoclonic jerks, areflexia, extensor plantar response and distal sensory deficit. He had repeated history of pneumonia in the past. He also has generalized lymphadenopathy. The probable diagnosis is

- a. Spinocerebellar ataxia
- b. Friedreich's ataxia
- c. Ataxia telangiectasia
- d. Mitochondrial ataxia

Q17. The diagnosis of acromegaly is confirmed by

- a. Measurement of random Growth hormone level
- b. IGF-I level
- c. MRI pituitary
- d. Oral glucose tolerance test

Q18. Differentiating the ACTH dependent Cushing's syndrome, which of the following feature is more prominently seen in ACTH secreting pituitary tumor as compared to ectopic ACTH secretion

- a. Rapid onset
- b. Pigmentation
- c. Severe myopathy
- d. None of the above

Q19. Poor host immune reaction denotes:

- a. Tuberculoid leprosy
- b. Lepromatous leprosy
- c. Borderline leprosy
- d. Drug resistant leprosy

Q20. Harmonic scalpel uses which of the following to cut tissues?

- a. Cold
- b. Heat
- c. Ultrasound
- d. Fire