

NEED MDS 2022 - Memory Based Questions

Physiology:

Q1. Which of the following will cause a decrease in Extracellular K+?

- Lactic Acids
- Epinephrine
- Glucagon
- Atropine

Q2. Which of the following will be involved in baroreceptor reflex?

- Negative feedback
- Positive feedback
- Adaptive control
- Feed forward

Q3. Which of the following events occurs during Phase B to raise body temperature to hypothalamus set point?

- Shivering
- Sweating
- Decrease in thermogenesis
- Cutaneous vasodilation

Q4. Which nucleus is involved in hemiballismus?

- Globus pallidus
- Caudate nucleus
- Substantia nigra
- Subthalamic

Q5. A patient came to OPD with a complaint of paresis and numbness after sleeping on his arm. Why?

- A fibers are more susceptible to pressure than C fibers.
- B fibers are more susceptible to pressure than A fibers.
- C fibers are more susceptible to pressure than A fibers.
- A fibers are more susceptible to pressure than B fibers.

Psychiatry:

Q1. A patient is brought to the emergency department with symptoms of respiratory depression and suspected to have overdosed on opioids. What should be the next step?

- Naloxone
- Buprenorphine
- Naltrexone
- Methadone

Q2. A 16-year old female has an irresistible urge to eat, followed by episodes of self induced vomiting. She is also on appetite suppressants. What is the diagnosis?

- Anorexia nervosa
- **Bulimia nervosa**
- Pica disorder
- Binge eating disorder

Q3. A patient consumed a large number of TCA pills during the depressive episode and presented with altered sensorium, hypotension and high QRS complexes. What should be the next step?

- DC cardioversion
- Start antiarrhythmic drug
- **NAHCO₃**
- None of the above

Surgery:

Q1. A 45-year old female underwent thyroidectomy. On the 3rd day she developed perioral numbness. Further investigation involves:

- Free T3, T4
- RAI Scan
- **Calcium, Phosphate and PTH levels**
- T3, T4, TSH

Q2. All of the following are the components of MEN-2b except:

- Megalocon
- Marfanoid habitus
- Mucosal neuroma
- **Parathyroid adenoma**

PSM:

Q1. Most effective way of controlling rabies in the urban population?

- Test all dog for rabies
- **Vaccinate the dog population**
- Administer rabies vaccine to all humans
- Health education of people

Q2. To promote healthspan the best recommendation is:

- Restricted calories intake
- Yoga and exercise
- Reduce stress level
- **All of the above**

Q3. Copper-T is contraindicated in:

- Menstruation
- Broken Condom
- Trophoblastic diseases
- Postpartum after delivery

Q4. Green colour in Triage signifies:

- Dear patients
- High priority patients
- Ambulatory patients
- Moderate priority patients

Q5. Broken glass vaccine vials at the Vaccination centre are supposed to be disposed of in which container?

- Yellow bag
- Red bag
- Sharps container
- Blue puncture proof container

Pharmacology:

Q1. The drug of choice in Paracetamol overdose is?

- N-acetylcysteine
- Dopamine
- Hydralazine
- Furosemide

Q2. A patient on digoxin therapy accidentally consumed 8 tablets of digoxin 0.25 mg. Two hours later, he presented to the emergency doctor with a heart rate of 54 bpm and ECG evidence of third-degree AV block. What is the immediate management of this patient?

- Digoxin immune Fab
- Lignocaine
- Phenytoin
- DC cardioversion

Q3. Which of the following hyperlipidemic drugs acts by inhibition of PCSK-9?

- Atorvastatin
- Evolocumab
- Ezetimibe
- Lomitapide

Pediatrics:

Q1. A mother reported that her baby did not pass urine on postnatal day 1. What will be the next step?

- Start IV hydration

- Shift to NICU and investigate
- Continue Breastfeeding and observe
- Start formula milk

Q2. Multiple fractures were detected in the antenatal ultrasound scan. What could be the diagnosis?

- Achondroplasia
- Osteogenesis imperfecta
- Marfan syndrome
- Cretinism

Q3. Which of the following diseases has autosomal recessive inheritance?

- Osteogenesis imperfecta
- Treacher Collins syndrome
- Achondroplasia
- Cystic fibrosis

Q4. A child with Exercise fatigue presented to OPD. The features were suggestive of McArdle disease. Which of the following enzymes will be deficient in this?

- Myo-Phosphorylase
- Glucose 6 Phosphatase
- Lysosomal Glucosidase
- Phosphofructokinase

Orthopedics:

Q1. MC complications of untreated radial head dislocation

- Cubitus varus
- Cubitus valgus
- Damage to ulnar nerve
- Myositis ossificans

Q2. A patient presented with multiple swelling in hand & wrist. Finger X ray is given. Identify

- Multiple Endochromatosis
- Multiple Brown Tumour
- Multiple Osteophytic Growth
- None of the above

Q3. Which will be the ideal treatment for Fibular Fracture?

- Analgesic-Closed Reduction-Cast.
- Neurological Assessment-Analgesic
- Neurological testing- Crif
- Neurological assessment- analgesic- cast.

Q4. Given the radiograph of a 13 year old child presented with a fall on elbow. Which of the bones has a fracture?

- Humerus
- Clavicle
- Scapula
- Ribs

General Medicine:

Q1. Known cases of C.L.D with Ascites present with abdominal pain and tenderness. Ascitic tap shows presence of 60 PMN cells/ICu.mm. Which of the following is the likely etiology?

- Tubercular Ascites
- Malignant Ascites
- Spontaneous Bacterial peritonitis
- Chylous ascites

Q3. An 82-year-old patient with hypertension comes with acute onset of breathlessness. Chest X-Ray is shown below. What should be done next?

- Oxygen inhalation Antibiotics
- V salbutamol
- IV nitroglycerine
- Nebulized salbutamol

Q4. An adult patient complains of palpitations and presents with an irregularly irregular pulse. Pulse deficit is 20, HR=120/m in, BP 110/70 mm Hg. Which of the following will be found in this patient?

- Absent a wave
- Canon a wave
- Absently
- Prominent V wave

Q5. A patient presents with digoxin toxicity. Pulse rate is 54/min with ECG evidence of a degree heart block. What is the best treatment?

- Digoxin immune fab
- Lidocaine
- DC shock
- Phenytoin

Biology:

Q1. A female presented with curdy white discharge. Sample microscopy showed a budding yeast cell with pseudohyphae. Which medium is used to differentiate the species of the causative organism:

- Bird seed agar

- Chrome agar
- SDA
- PDA

Q2. A farmer is presented with sinuses with a discharging granule on the leg granules were crushed and examined, Which of the following statement is correct regarding this scenario:

- Can be caused by Bacteria and Fungi
- Involves Skin only. No deeper tissue involvement.
- Lymphocyte accumulation is present.
- Spread by the hematogenous route

Q3. A woodworker presented with Chronic localized infection of the skin on his lower legs and feet which were Irregular, rough, cauliflower- like lesions, Microscopy of the biopsy shows Copper pennylmuriform celislmedl ar bodies, the etiological agent

- CHROMOBLASTOMYCOSIS
- PHAEOHYPHOMYCOSIS
- CHROMOSOMY COSIS.
- RHINOSPORIDIOSIS

Q4. In a patient with rice water diarrhoea, which will be involved?

- GM1 ganglioside
- GM2 ganglioside
- Both A and B
- None of the above

Q5. A young boy presented with fever, sore throat, malaise and abdominal pain, conjunctival suffusion and calf tenderness. No history of cough, vomiting, haemorrhage and travel. What is the diagnosis?

- Chikungunya
- Leptospira
- Dengue hemorrhagic fever
- Hepatic encephalopathy with hepatitis A

Q6. Which of the following is the best way to diagnose Clostridium-associated Diarrhea?

- Stool culture
- Toxin Demonstration
- Blood culture
- None of the above