

Tanta University-----Internal Medicine Exam  
Faculty OfMedicine----- Master degree of Anesthesia  
Internal Medicine Department -----NO.of questions: 2 Questions  
26/2/2022 -----Time allowed : 3 hours

Total :90 Marks



**Question 1 [30 sub-questions (60 marks), each 2 marks, all must be answered]**

**Choose one answer for each MCQ:**

**1) A 60 year old man presents with non-productive cough and haemoptysis for 4 weeks; He has grade III clubbing and a lesion in the apical lobe on x ray. Most likely diagnosis here is:**

- A. Small cell carcinoma
- B. Non-small cell carcinoma
- C. Fungal infection
- D. Tuberculosis

**2) Hepatic encephalopathy is predisposed by all, except:**

- A. Hyperkalemia
- B. Dehydration
- C. Constipation
- D. Gastrointestinal Bleeding
- E. Spontaneous bacterial peritonitis

**3) Drug effectively used in treatment of Cushing Syndrome is**

- A. Insulin
- B. prednisolone
- C. Ketoconazole
- D. Multivitamin

**4) The earliest clinical evidence of diabetic nephropathy includes what of the following:**

- A. Microalbuminuria or macroalbuminuria
- B. Haematuria.
- C. Renal colic.
- D. Burning micturation.

**5) How would you treat a CKD associated anemia?**

- A. B12 supplements
- B. Blood transfusion
- C. Erythropoietin injections.
- D. Folate supplements

**6) Which of the following is not associated with hypothyroidism?**

- A. Low T3
- B. High TSH
- C. High Triglycerides
- D. Low cholesterol

**7) 90-95% of patients with hereditary thrombotic disease usually present with**

- A. Hypertension
- B. Arterial thrombosis
- C. Venous thrombosis
- D. Anemia

**8) Stigmata of chronic liver disease include all of the following except :**

- A. Palmar erythema
- B. Spindernaevi
- C. Testicular atrophy
- D. Subcutaneous nodules

**9) Most common bronchogenic carcinoma is:**

- A. Small cell carcinoma
- B. Squamous cell carcinoma
- C. Mixed cell carcinoma
- D. Adenocarcinoma

**10) Which type of diabetes is HLA associated:**

- A. Type I diabetes
- B. Tyep II diabetes
- C. Malnutrition related type disease
- D. Pregnancy related type diabetes

**11) Which of the following is the most common type of pituitary Adenoma?**

- A. Thyrotropinoma
- B. Gonadotropinoma
- C. Prolactinoma
- D. Corticotropinoma

**12) Confirmatory investigation for Acromegaly is:**

- A. Insulin induced GH suppression
- B. Glucose induced GH suppression
- C. Random GH assay
- D. IGF – I level

**13) Which of the following is the agent of choice for treating thyrotoxicosis during pregnancy?**

- A. Carbimazole.
- B. Propylthiouracil.
- C. Methimazole
- D. Radioactive I 131

**14) Which of the following are characteristic of diabetes**

**Mellitus:**

- A. Encephalopathy
- B. Myelopathy
- C. Neuropathy
- D. Myopathy
- E. Retinopathy

**15) Underlying hepatitis C virus infection is common in**

- A. Henoch-SchönleinPurpura
- B. Polyarteritisonodosa
- C. Temporal arteritis
- D. Cryoglobulinemicvasculitis

**16) Obscure GI bleeding usually originating from:**

- A. Stomach
- B. Esophagus
- C. Small Intestine
- D. Colon

**17) A female 70 years old came to hospital with fever, headache, jaw pain, pain intense along the course of the superficial temporal artery. What is the most likely diagnosis?**

- A. cutaneous leukocytoclastic
- B. Giant cell arteritis
- C. polyarteritis nodosa
- D. Wegener's granulomatosis

**18) Rheumatoid nodules are characterized by all *except*:**

- A. Big
- B. Tender
- C. Fixed to skin
- D. Associated with positive rheumatoid factor

**19) The marker of Hepatitis B in the window period is:**

- A. HBsAG
- B. Anti HBsAG
- C. Anti HBC
- D. HBcAg

**20) Carcinoma lung responding best to chemotherapy:**

- A. Squamous cell type
- B. Oat cell type
- C. Adenocarcinoma
- D. All respond equally

**21) A 69-year-old man presents with a range of signs and symptoms that give the impression of heart failure.**

**Which of the following is not a feature of heart failure?**

- A. Hepatomegaly
- B. Non-pitting oedema
- C. Pulsus alternans
- D. Raised jugular venous pressure
- E. Tricuspid regurgitation

**22) Which one of the following is elevated in the serum of Wegener's granulomatosis patient?**

- A. c-ANCA
- B. p-ANCA
- C. Both
- D. Neither

**23) Which of the following is usually associated with HBV infection?**

- A. cutaneous leukocytoclastic
- B. cryoglobulinemia
- C. polyarteritis nodosa
- D. Wegener's granulomatosis

**24) Hypercoagulable risk factors include all except,**

- A. Malignancy
- B. Present lupus anticoagulant
- C. Postpartum state
- D. Vitamin C deficiency

**25) Which of the following x-ray findings will confirm presence of rheumatoid arthritis?**

- A. Periarticular osteopenia
- B. Subchondral sclerosis
- C. Osteophytes
- D. Subchondral cysts

**26) Most common acquired cause of thrombophilia**

- A. Antiphospholipid antibody syndrome
- B. Thrombotic thrombocytopenic purpura.
- C. Heparin induced thrombocytopenia
- D. Paroxysmal nocturnal hemoglobinuria
- E. Sickle cell disease

**27) Which of the following can be given safely in pregnancy?**

- A. Imatinib
- B. Heparin
- C. Warfarin
- D. Thalidomide

**28) All of the following are true about starting betablocker therapy in cases of CHF, except:**

- a. They should be initiated at the effective doses
- b. They should be gradually increased over weeks
- c. Special precautions should be taken in NYHA class III and IV
- d. Carvedilol and Metoprolol are the preferred Drugs

**29) All of the following are characteristic feature of obstructive pulmonary disease, except:**

- a. Normal Residual Volume
- b. Decreased FEV1
- c. Normal Vital Capacity
- d. Decreased FCV1/FVC

**30) If a patient with severe hyperglycemia is given IV insulin,**

**Which of the following can occur?**

- a. Hypokalemia
- b. Hyperkalemia
- c. Hyponatremia
- d. Hypernatremia



Question 2 [5 questions (30 marks), each 6 marks, all must be answered]

1. Treatment of hypertensive emergency.
2. Mention indications of starting hemodialysis.
3. Mention causes of hereditary thrombophilia.
4. Discuss thyrotoxic crisis (clinical picture and management).
5. Mention causes of upper gastrointestinal bleeding.

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٢٠٢٢/٢/٢٨ الساعة التاسعة صباحاً .

GOOD LUCK.....