

**1224 E429**

**Second Year MBBS Examination**

**II MBBS Pathology Paper 2**

**Time: 3 hours**

**Date: 13-12-2024**

**Max Marks: 100**

**Instructions:**

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

**Section 1**

**1. Structured long question (any one out of two):**

**a) Define nephrotic syndrome. 1x10=10**  
Describe its cardinal features and aetiopathogenesis. (2+3+5)

**b) What is atherosclerosis? Describe its aetiopathogenesis and complications.**

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## **2. Case based scenario/Applied (2+6+2) short notes (Any 2 out of 3):**

**a)** A 40 years old male who was a chronic smoker presented to the medicine OPD with breathlessness since 3 months. O/E pulse, BP was normal, no cyanosis and no pedal oedema. He was found to have a barrel shaped chest. (i) What is the likely diagnosis? (ii) Describe the aetiopathogenesis. (iii) What findings are expected in the lungs in this case?

**b)** A 60 years old male, presented with pain in abdomen, loss of weight and yellowish discolouration of skin. O/E Hb-9 gm%, serum bilirubin -14 mg%, S. alk. phosphatase-markedly elevated, SGPT and SGOT are mildly elevated. (i) What is the likely diagnosis and aetiology? (ii) Describe the confirmatory tests.

**c)** Enumerate the likely causes of metastatic deposits in bone of a 65 year old male.

## **3. Write short notes (any three):**

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- a) Causes of emphysema. 3x6=18
- b) Lesions in the glomerulus in diabetes mellitus.
- c) Microscopy of renal cell carcinoma.
- d) Complications of peptic ulcer.

**4. Write short answers in 2-3 sentences (any 5 out of 6):**

- a) Goodpasture syndrome. 5\*2=10
- b) Microscopy of giant cell tumour of bone.
- c) Reed Sternberg cell? Describe the types.
- d) Complications of liver cirrhosis.
- e) Pathogenesis of emphysema.
- f) vegeta of Cardiac Valves

## Section 2

**5. Structured long question (any one out of two):**

- a) Describe the role of physical and chemical examinations of urine in diagnosis of various diseases. 1x10=10  
(3+5+2)
- b) Describe the role of cerebrospinal fluid examinations in diagnosis of various

diseases.

## **6. Case based scenario/Applied short notes (Any 2 out of 3):**

- a) What are the causes of 2x6=12  
hematuria? Mention 2 likely causes of hematuria in a 60 years old male.
- b) Describe the role of cardiac markers in diagnosis of myocardial infarction.
- c) Clinical features and investigations in a suspected case of haemolytic jaundice.

## **7. Write short notes (any three):**

- a) Gross and microscopy of 3x6=18  
infiltrating carcinoma of the breast.
- b) Malignant skin tumours.
- c) Malignant thyroid neoplasms.
- d) Chronic pyelonephritis.

## **8. Write short answers in 2-3 sentences (any 5 out of 6):**

- a) Aetiology of colorectal 5\*2=10  
carcinoma.
  - b) Causes of bronchiectasis.
  - c) Causes of proteinuria.
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- d) Four complications of myocardial infarction.
- e) Causes of crescentic glomerulonephritis.
- f) Manifestations of Wilson's disease.

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