

Date: 20-01-2022

0122 E492

Second Year MBBS Examination

II MBBS Pathology Paper 1

Time: 3 hours

Max Marks: 100

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 1 out of 2) (10)

a) Define thrombus. Describe thrombogenesis. Add a note on fate of thrombus (3+4+3=10 Marks)

b) Define shock, mention types and discuss the etiopathogenesis of septic shock

2. Case based (2+3+5=10 Marks) **scenario/Applied short notes (Any 2 out of 3) (12)**

a) A 50 years male presented with chest pain one day with tachycardia, hypotension and shock Laboratory investigations are as follows: Hb: 14.5 gms%, TLC: 12,500 cells/cu mm, DLC: N-76%, L-21% E-2% M-4%, B-0% ESR: 30 mm/hr, CPK: 250 IU/L, CPK-MB: 100 IU/L, ASAT: 100 IU/L, Troponin I: Present. a) What is your likely diagnosis? b) Write pathogenesis and complications of the same.

b) A 8-year old boy was admitted with history of puffiness of face & passing of red coloured urine following upper respiratory tract infection 2 weeks earlier. Urine examination showed moderate proteinuria and hematuria. a) What is your likely diagnosis and the organ affected? b) Describe the etiopathogenesis of the condition c) List the investigations that you

would do to confirm diagnosis.

c) Brown atrophy of heart.

3. Write short notes (Any 3 out of 4) (18)

a) Phagocytosis

b) Metastasis

c) Role of Peripheral smear and bone marrow and its importance in diagnosing megaloblastic anaemia

d) What is AETCOM? Discuss the role of health care worker, working in a health care team, in a malaria outbreak.

4. Answer only in 2-3 sentences (Any 5 out of 6) (10)

a) Define neoplasia. Write two differences between benign and malignant tumors, giving examples.

- b) Factors influencing wound healing.
- c) Difference between lepromatous and tuberculoid leprosy.
- d) Types of giant cells.
- e) Philadelphia chromosome.
- f) Vitamin A deficiency diseases.

Section 2

5. Structured long essay Question (Any 1 out of 2) (10)

a) Define anaemia. Give the etiological classification of anaemias. Describe the peripheral smear and bone marrow picture of Iron deficiency anemia (2+3+5)

b) Define and classify leukaemias. Discuss peripheral blood smear, bone marrow and biochemical findings in Chronic myeloid leukaemia. (2+3+5)

6. Case based scenario/Applied short

Notes (Any 2 out of 3)

(12)

a) What is Bombay blood group? Discuss in brief its significance.

b) A male patient aged 12 years old, presented with fever and petechial haemorrhages Laboratory investigations: HB-8.5 gms%, TLC-12,500 cell/cu mm, Platelet count- 50,000 cells/cumm, Bleeding time-12 minutes, Clotting time-6 minutes. Bone Marrow aspiration-Megakaryocytic hyperplasia with agranular megakaryocytes.

a) What is your likely diagnosis? b) What is the etiopathogenesis and complications of the disease?

c) Discuss the hazards of blood transfusion and enumerate the investigations in a case of transfusion reaction.

7. Write short notes (Any 3 out of 4) (18)

a) Virchow's node.

b) Urinary casts.

c) Mitsuda reaction.

d) Special stains to demonstrate Amyloid.

8. Answer only in 2-3 sentences (Any 5 out of 6) (10)

a) Causes of fatty liver.

b) Name two sexually transmitted diseases.

c) Two examples of metaplasia.

d) Barr body.

e) Name two cancers caused by viruses.

f) Causes of edema.