

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 0322]

MARCH 2022

Sub. Code :6063

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020 Batch onwards)

SECOND YEAR

PAPER V – PATHOLOGY – I

Q.P. Code: 526063

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQS)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. 25 years male RTA victim presented with rapid pulse, cold clammy cyanotic skin, tachypnea and landed in emergency ward in unconscious state what is the diagnosis? Classify the disease write in detail about the pathogenesis, morphology evolution of the disease.
2. 50 / male vegetarian, presented with pallor, paresthesia of extremities O/E he had beefy tongue what is your diagnosis? How will you investigate this patient further and establish the diagnosis. Classify RBC disorders according to etiology.

II. Write Short notes on:

(10 x 5 = 50)

1. 18 years male your friend was diagnosed as Hodgkin's lymphoma. How will you empathise with him and his family members & support them?
2. Calcification
3. 10 years female was administered an analgesic injection IM and immediately collapsed. What is the type of reaction? What is the Pathogenesis of this reaction?
4. 10 years male presented with evening raise of temperature, neck nodes. His father was treated for cough with expectoration for 6 months. What is your diagnosis? Write about pathogenesis morphology of this illness.
5. 30 years male presented with fever with rigors he had H/o dark coloured urine after admission and also had cloudy consciousness, what is the diagnosis? What is the role of peripheral smear in diagnosis?
6. Pathogenesis of obesity.

7. 60 years male presented with low back ache. He had multiple lytic lesions of bones on skeletal survey. Serum electrophoresis and bone marrow was done to establish diagnosis. What is your diagnosis what are the findings in bone marrow and electrophoresis?
8. Classify transfusion reactions. How will you investigate a case of transfusion reactions?
9. 40 years male with splenomegaly on investigations had total count of $1,20,000$ cells / mm^3 and peripheral smear showed predominance of myeloid precursors. What is your diagnosis? Draw diagram of peripheral smear. What is the common genetic event in this condition?
10. Describe normal hemostasis and coagulation cascade

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 0822]

AUGUST 2022

Sub. Code :6063

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020)

SECOND YEAR – SUPPLEMENTARY (CBME)

PAPER V – PATHOLOGY – I

Q.P. Code: 526063

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. 30 years female immediately after delivery went into sudden circulatory failure. She had profuse bleeding per vaginum and from venepuncture sites. What is your diagnosis? What is the Pathophysiology? How will you investigate this patient?
2. 1 year male child was brought with loss of vision and mass lesion of the eyeball. There was a family H/o sarcoma of the long bone in the sibling. What is your diagnosis? What is the molecular mechanism involved in this family. Describe the normal cell cycle and how this gene affects cell cycle, Name 3 other genes involved in familial syndromes.

II. Write Short notes on:

(10 x 5 = 50)

1. 7 years male child is found lying down on the road with convulsions with his mother. How will you react as a medical student and help them?
2. 50 years male who was a diabetic has developed an ulcer in the foot of size 6 x 4 cm. His last toe was covered with necrotic slough. What is your diagnosis? What is the pathogenesis and pathology involved in this complication?
3. 8 years female child was hailing from a poor family and was found to have loss of muscle mass and subcutaneous fat she was emaciated. What is your diagnosis? How will you categorize nutritional disorders?
4. Pathogenesis of amyloidosis.
5. 25 years male had a cut injury in his hand and wound was sutured immediately. How does healing take place in such wound? What are the factors delaying wound healing?
6. What are the sub types of Hodgkin Lymphoma? Also write about types of RS cells.

7. 20 years male following antibiotic intake had total leukocyte count of 1200 cells / mm³ and absolute neutrophil count of 120 cells. What is your diagnosis? What is the pathogenesis of this condition?
8. Infections transmitted by blood transmission. How will you prevent it?
9. 20 years female had hematocrit of 20%, reticulocytosis, hyperbilirubinemia, peripheral smear revealed anisopoikilocytosis and target cells. What is the pathophysiology of this disease?
10. WHO classification of acute myeloid leukemia.

[MBBS 0822]