MBBS Phase - II (CBME) Degree Examination - 28-May-2024

Time: Three Hours Max. Marks: 100 Marks

Q.P. CODE: 1026 (QP contains two pages)

Your answers should be specific to the questions asked Draw neat, labeled diagrams wherever necessary

LONG ESSAYS 2 x 10 = 20 Marks

 40 year old farmer admitted to the hospital with high fever. He gives history of an injury to his left leg resulting in an ulcer 15 days ago. On examination his pulse is 110/min, blood pressure is 70/50 mmHg

- a) What is your diagnosis?
- b) Describe the stages of this condition
- c) Discuss the pathophysiology of the above condition
- 3 years old female child admitted to paediatric ward with long history of pallor and passing high coloured urine. There is a history of consanguineous marriage among parents. On examination child has pallor, stunted growth, icterus and enlarged spleen.
 - a) What is your diagnosis?
 - b) Describe the molecular pathogenesis of this condition
 - c) Discuss the lab diagnosis of the above condition

SHORT ESSAYS 8 x 5 = 40 Marks

- Pathologic calcification
- Arachidonic acid metabolites
- Lepromatous leprosy
- Type I hypersensitivity
- Mechanism of metastasis
- Chronic myeloid leukemia
- Von Willebrand's disease
- Discuss phagocytosis

SHORT ANSWERS 10 x 3 = 30 Marks

- Name three endogenous pigments
- Fate of primary tuberculosis
- Advantages of FNAC
- 14. Fate of thrombus
- Tumor markers
- Rickets
- CSF findings in pyogenic meningitis
- Stages of ESR
- Coomb's test
- Systemic causes for delayed wound healing



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Multiple Choice Questions

10 x 1 = 10 Marks

- All of the following are special stains for fat **EXCEPT** 21 i)
 - A. Sudan dyes
 - B. PAS
 - C. Osmic acid
 - D. Oil Red O
- 30 year old male on pure vegetarian diet presents with listlessness, tingling and 21 ii) numbness in his limbs. On lab evaluation his bone marrow shows presence of megaloblasts. Megaloblasts can be seen in
 - A. Iron deficiency anaemia
 - B. Haemolytic anaemia
 - C. Vit B12 deficiency anemia
 - D. Hereditary Spherocytosis
- 21 iii) The DNA Oncogenic virus implicated in cervical carcinogenesis is
 - A. Human papilloma virus
 - B. Herpes virus
 - C. POX virus
 - D. Hepatitis B virus
- Which of the following disease is X linked recessive inheritance 21 iv)
 - A. Sickle cell anemia
 - B. Adult polycystic kidney
 - C. Haemophilia
 - D. Hereditary Spherocytosis
 - Which of the following is a tumor suppressor genes 21 v)
 - A. RB
 - B. PDGF
 - C. RAS
 - D. EGF
- 22 i) Delayed type of hypersensitivity resulting in the formation of a granuloma is typically
 - Type I hypersensitivity reaction
 - B. Type II hypersensitivity reaction
 - C. Type III hypersensitivity reaction
 - Type IV hypersensitivity reaction
- Which of the following antibodies is likely to identified on laboratory testing in a patient 22 ii) with systemic lupus erythematosis
 - A. Anti DS DNA
 - B. SS-A
 - C. SS-B
- In cases of renal failure on long term hemodialysis which of following type of amyloid is 22 iii) seen
 - A. Amyloid light chain (AL)
 - B. Amyloid associated protein (AA)
 - C. Amyloid beta 2 microglobulin (Abets2m)
 - D. Beta amyloid protein (A beta)
- 22 iv) ESR is raised markedly in
 - A. Multiple myeloma
 - B. Malaria
 - C. Acute myeloblastic leukemia
 - D. Haemophilia
- 22 v) Type of antibodies usually seen in chronic ITP are
 - A. Ig A
 - B. Ig M
 - C. Ig E
 - D. Iq G

