

507-A

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2012
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time : 2 Hours

Max. Marks: 40

Answer all questions

1. A 4 years old male child presented with fatigue, fever, epistaxis, bleeding gums, bone pain and CNS manifestations from meningeal involvement. Physical examination revealed petechiae and ecchymoses of skin and mucous membranes, generalized lymphadenopathy and testicular enlargement. The leukocyte and differential counts were abnormal. 1+4+3+3=10

- a) What is the provisional diagnosis?
- b) Discuss various main laboratory investigations to make a final diagnosis.
- c) Describe peripheral blood and bone marrow picture.
- d) Discuss molecular pathogenesis of the disease.

WRITE SHORT NOTES ON:**5x4=20**

- 2. Role of Selectins and Integrins involved in the inflammatory response.
- 3. von Willebrand disease.
- 4. Systemic Thrombo embolism.
- 5. Physical and chemical nature of Amyloid
- 6. Important growth factors modulating tumor growth and biology.

WRITE BRIEFLY ON:**5x2=10**

- 7. Barr bodies.
- 8. Autophagy.
- 9. Skeletal changes in Rickets.
- 10. Late manifestations of congenital Syphilis.
- 11. Frozen section.

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