

Q.P. CODE: [INSERT CODE HERE]
DR NTR UNIVERSITY OF HEALTH SCIENCES ::
VIJAYAWADA-8
M.B.B.S. DEGREE EXAMINATION - JANUARY, 2014
SECOND M.B.B.S. EXAMINATION
PATHOLOGY
(GENERAL PATHOLOGY & HAEMATOLOGY)
PAPER-I

Time: 2 Hours

Max. Marks: 40

Note: Answer all questions. Give diagrammatic representation wherever possible.

1) A male child aged 8 years presented with fever, fatigue, generalized lymphadenopathy, bone pain, petechial hemorrhages over the skin, pallor, enlarged testes and features of meningism.

- a) What is the provisional diagnosis?
- b) Describe blood and bone marrow picture and
- c) Other investigations to confirm the diagnosis.
- d) Discuss the prognosis of the same. (1+4+3+2=10)

WRITE SHORT NOTES ON:

5 x 4 = 20

- 2) Etiology and pathogenesis of fat embolism
- 3) Mention Arachidonic acid metabolites and their role in inflammation.
- 4) Tabulate the differentiating features of Necrosis and Apoptosis
- 5) Describe the chemical nature of Amyloid
- 6) Describe the steps / events involved in mechanism of

tumor INVASION and METASTASIS

WRITE BRIEFLY ON:

5 x 2 = 10

- 7) Name any four (4) pathological changes in Vitamin A deficiency
- 8) Name any four (4) growth factors involved in regeneration and wound healing
- 9) Name one (1) infectious disease and three (3) tumors caused by Epstein-Barr virus
- 10) Name three (3) X-linked recessive and one (1) X-linked dominant disorders
- 11) Name two (2) special stains for reticulocytes and two (2) causes of Reticulocytosis.

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