

Q.P. CODE: [INSERT CODE HERE]
DR NTR UNIVERSITY OF HEALTH SCIENCES ::
VIJAYAWADA-8
M.B.B.S. DEGREE EXAMINATION - JANUARY, 2011
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 homosexual individual who is also an intravenous drug abuser with history of persistent generalized lymphadenopathy (PGL) and chronic diarrhea came to sexually transmitted diseases (STD) OPD with mucosal candidiasis, fever, oral hairy leukoplakia and loss of more than 10% body weight. There is a fall in CD4+ T cells count.

a) What is the provisional diagnosis?

b) Describe the sequences of events in the pathogenesis of the disease.

c) Discuss various tests used for diagnosis and for monitoring treatment of the same. 10

WRITE SHORT NOTES ON:

5 x 4 = 20

2) Paraneoplastic syndromes.

3) Peripheral smear and bone marrow picture in megaloblastic anemia.

4) Growth factors involved in tissue regeneration and repair.

5) Haematocrit.

6) Arachidonic acid metabolites and their role in inflammation.

WRITE BRIEFLY ON:

5 x 2 = 10

7) Phlebothrombosis.

8) Clinical features and karyotypes of Turner Syndrome.

9) Mode of action of anticoagulants.

10) Pathogenesis of dystrophic calcification.

11) Name four tumor suppressor genes.

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