

**Q.P. CODE: 507-A**  
**DR NTR UNIVERSITY OF HEALTH SCIENCES ::**  
**VIJAYAWADA - 520 008**  
**M.B.B.S. DEGREE EXAMINATION - FEBRUARY, 2019**  
**SECOND M.B.B.S. EXAMINATION**  
**PATHOLOGY**  
**(GENERAL PATHOLOGY & HAEMATOLOGY)**  
**PAPER-I**

Time: 2 Hours

Max. Marks: 40

**Note: Answer all questions**

**Draw diagrammatic representation wherever necessary**

1) A 55 year old lady presented with progressive fatigue and tiredness for last one month. She also complained of tingling and numbness in the lower limbs. On examination she had pallor and her tongue had a glossy appearance.

a) What is your diagnosis?

b) What is the cause for neurological symptoms in this condition?

c) What are the peripheral smear and bone marrow findings in this condition?

d) Which specific tests would you like to do to diagnose this condition?  $1+2+5+2=10$

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**WRITE SHORT NOTES ON:**

5 x 4 = 20

- 2) Role of Rb gene in tumor suppression
- 3) Lab diagnosis of chronic myeloid leukemia
- 4) Pathogenesis of primary pulmonary tuberculosis
- 5) Morphology of lepromatous leprosy
- 6) Role of vasoactive amines in acute inflammation

**WRITE BRIEFLY ON:**

5 x 2 = 10

- 7) Fate of thrombus
- 8) Morphological changes in apoptosis
- 9) Variants of Reed Sternberg cell
- 10) Principle of Osmotic fragility test
- 11) List four clinical features of Klinefelter Syndrome

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