

**Q.P. CODE: 507-A**  
**DR NTR UNIVERSITY OF HEALTH SCIENCES ::**  
**VIJAYAWADA-8**  
**M.B.B.S. DEGREE EXAMINATION - JULY, 2013**  
**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 35 year old male was admitted with easy fatigability, anorexia, weakness, weight loss, night sweats and dragging sensation in the abdomen due to massive splenomegaly. His total WBC count was 2,00,000 cells / mm<sup>3</sup>

- a) What is the provisional diagnosis?
- b) Describe the blood and bone marrow picture.
- c) Describe the chromosomal abnormality of the disease
- d) Mention various phases of the disease. 1+5+2+2=10

**WRITE SHORT NOTES ON:**

5 x 4 = 20

- 2) Free radicals
- 3) Phagocytosis
- 4) Klinefelter's syndrome
- 5) Packed cell volume (PVC)
- 6) Healing by second intention and complications of wound healing

**WRITE BRIEFLY ON:**

5 x 2 = 10

- 7) Characteristics of malignant cell
- 8) Fate of thrombus
- 9) Lipofuscin
- 10) Tuberculoid Leprosy - Microscopic picture
- 11) Sago spleen

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