

QP CODE: 205012

Reg No:.....

**Second Year B.Sc MLT Degree Supplementary Examinations – May 2016
HAEMATOLOGY-II AND CLINICAL PATHOLOGY**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Define anemia. Classify anemia based on etiology. Describe in detail the laboratory diagnosis of Iron deficiency anemia. Describe the peripheral smear findings. (1+3+4+2=10)
2. Mention the role of automation in clinical pathology laboratory. Describe the principle of automated blood cell counter. Enumerate the various parameters obtained from blood cell counter (2+4+4=10)

Short notes

(10x5=50)

3. Tests for ketone bodies in urine
4. Macroscopic and microscopic examination of semen
5. Chronic myeloid leukemia
6. Laboratory diagnosis of sickle cell anemia
7. Pregnancy test
8. Partial thromboplastin time
9. Perls staining and its significance
10. Hemophilia
11. Micro hematocrit
12. Agranulocytosis

Answer briefly

(10x3=30)

13. Detection of bile pigment in urine
14. ESR
15. Neutrophilia
16. Casts in urine
17. LD bodies
18. Sputum AFB
19. Anticoagulants used in hematology
20. Importance of detection of faecal fat
21. CSF cell count
22. Examination of pleural fluid
