

[LH 0415]

OCTOBER 2015

Sub. Code: 3503

**DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY**  
**(Regulation for candidates admitted from 2014-2015 session onwards)**  
**PAPER III – BANK SERVICES AND QUALITY CONTROL**

*Q.P. Code : 363503*

**Time : Three hours**

**Maximum : 100 marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define Anemia. Discuss the causes and laboratory findings of Microcytic hypochromic anemia. Add a note on red cell indices.
2. Describe the synthesis, characteristic of ABO antigen and antibodies and various subgroup of ABO system.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Vacutainers blood collecting system and their usage.
2. Preparation and staining of peripheral smear.
3. Periodic acid Schiff-reaction.
4. Von willebrands disease.
5. Internal quality control measure in heamotology.
6. Prothrombin time and how to calculate INR.
7. Principle and Application of Anti-human globulin test.
8. Selection criteria for Allogenic blood donor.
9. Needle stick injury.
10. Quality control in blood bank.

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