

[LP 1019]

OCTOBER 2019

Sub. Code: 3503

**P.G. DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY EXAMS  
PAPER III – BLOOD BANK SERVICES AND QUALITY CONTROL**

*Q.P. Code : 363503*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define Anti-human globulin tests (coombs) and elaborate on DAT & IAT.
2. What are the guidelines (criteria) followed for blood donor selection before donating blood so as to achieve best quality practice in blood transfusion service?

**II. Write notes on:**

**(10 x 6 = 60)**

1. Acute Hemolytic transfusion reaction.
2. Biochemistry of ABO system.
3. Biomedical waste management in blood bank.
4. Column Agglutination gel Technology.
5. Pre Transfusion Compatibility testing.
6. ELISA.
7. Bombay blood group.
8. Hepatitis B serological markers.
9. Blood collection monitor.
10. Blood bank software.

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