

## **Detailed Syllabus for the post of Blood Bank Technician**

**Total : 100 Marks**

### **Module I (14 Marks)**

- Blood containers and anticoagulants
- Blood collection and preservation
- Blood component preparation and storage
  - Preparation of cellular components
  - Preparation of plasma components
  - Preparation of special products like washed cells, leucoreduced cells etc.

### **Module II (14 Marks)**

- ABO blood group system
- Rh blood group system
- Other Blood Group Systems

### **Module III (14 Marks)**

- Basic hematology
- Basic immunohematology
- Direct Coomb's test
- Indirect Coomb's test

### **Module IV (14 Marks)**

- Compatibility testing
- Antibody detection and identification
- Transfusion reactions

**Module V (14 Marks)**

- Microbiology
  - HIV
  - HBV
  - HCV
  - Syphilis
  - Malaria

**Module VI (10 Marks)**

- Hemolytic disease of newborn
- Autoimmune hemolytic anemia
- Transfusion practice in different clinical situations

**Module VII (10 Marks)**

- Autologous transfusion
- Apheresis
- Newer Technologies

**Module VIII (10 Marks)**

- Quality control in blood banking
- Documentation and record keeping

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NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper.