

# **SYLLABUS FOR ASSISTANT PROFESSOR TRANSFUSION MEDICINE**

## **(BLOOD BANK)**

**(Category No. : 139/2022)**

### **Module : 1** (25 Marks)

1. History of Transfusion medicine
2. Scientific basis of Transfusion
3. Antigen Systems in formed elements of blood
4. Blood Collection, Processing, Component Preparation

### **Module : 2** (25 Marks)

1. Pre-transfusion testing
2. Adverse effects of blood transfusion
3. Apheresis
4. Autologous transfusion
5. Antenatal and neonatal transfusion practice

### **Module : 3** (25 Marks)

1. Immunohaematology
2. Hemotherapy
3. Transplantation
4. Blood Substitutes and hemopoietic agents

### **Module : 4** (25 Marks)

1. Medicolegal considerations in transfusion medicine
2. Total quality Management
3. Organisation & Management of transfusion services
4. Biosafety
5. Modern biological techniques
6. Automation & Computerisation

**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 also**

appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper.