

## **Clinical Technician Pathology (BPS-12)**

**Blood Bank:** = 35%

Introduction to Blood bank, Antigen antibodies reactions, Requirements of a standard blood bank, (Phlebotomy, Screening. Storage, and Transportation/Cold Chain), Preparation of basic reagents, ABO and Rh D grouping, Other Blood group system (Kell, Duffy, Kidd, MNSs etc.), Donor selection criteria., Blood products and its importance, Transfusion Reactions, Investigation of transfusion reaction, Hemolytic disease of newborn, 35% Transfusion Transmittable infections (TTIs)

**Quality Assurance in Blood Bank:** = 25%

Preparation & Quality assurance of Blood component, Calculation of quality parameters, Frequency of quality control performance, Quality assurance, Calibration & Maintenances of Blood Bank Equipment's, Documentation and record keeping

**Practical:** = 10%

ABO blood grouping (Forward and Reverse grouping), Rh Blood grouping, Antibodies screening, Cross matching (Major and Minor), Separation of different blood components.

**General Knowledge:** = 20%

**English (F. Sc Standard)** = 10%