

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1022]

OCTOBER 2022

Sub. Code: 3503

POST GRADUATE DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

(From 2014-2015 onwards)

PAPER III – BLOOD BANK SERVICES AND QUALITY CONTROL

Q.P. Code : 363503

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2x20=40)

1. a) Various steps involved in pretransfusion testing of a patient with positive autocontrol.
b) Indications, principle and utility of Antiglobulin Test.
2. a) Principles of Enzyme Linked Immuno Sorbent Assay (ELISA).
b) Applications of ELISA in Transfusion Medicine.

II. Write notes on:

(10x6=60)

1. ABO Grouping.
2. Blood Donation.
3. IgG antibody and its importance in Blood Banking.
4. Types of Blood Bags used.
5. Personal protective Equipment of lab Technician (PPE).
6. Sub groups of A blood Group.
7. Prothrombin time and how to calculate INR.
8. Preparation and staining of peripheral smear for Malaria.
9. Hepatitis B serological markers.
10. EQAS.
