

(LE 188)

APRIL 2014

Sub. Code:2082

M.D. DEGREE EXAMINATION

BRANCH XXI – IMMUNOHAEMATOLOGY AND BLOOD TRANSFUSION

IMMUNOHAEMATOLOGY, IMMUNOGENETICS APPLIED SEROLOGY

Q.P.Code: 202082

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Hemolytic disease of the new born – pathogenesis and diagnosis.
2. Typical serologic findings in warm autoimmune haemolytic anemia.
Discuss the serologic problems encountered in pre-transfusion testing in such cases.

II. Write notes on:

(10X7=70)

1. Platelet crossmatch methods and its application.
2. Polyagglutination.
3. Electronic crossmatch and its feasibility in the Indian setting.
4. Write an SOP for ABO blood grouping.
5. HLA in organ and bone marrow transplantation.
6. Investigations in a case of suspected Transfusion related acute lung injury.
7. Factors affecting antigen and antibody reaction.
8. Use of Lectin in Transfusion Medicine.
9. Reagent red cell panel – preparation and uses.
10. Bombay and para Bombay phenotypes.
