

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

[AHS 0321]

MARCH 2021

Sub. Code: 2912

(AUGUST 2020 EXAM SESSION)

B.Sc. MICROBIOLOGY

SECOND YEAR (Regulation 2018-2019)

PAPER II – IMMUNOLOGY AND HAEMATOLOGY

Q.P. Code : 802912

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define Anemia. Discuss the classification of Anemia. Enumerate the laboratory investigations in Nutritional Anemia.
2. Define Autoimmunity. Describe the mechanisms, classification and Pathogenesis of Autoimmune diseases.
3. Classify Vaccines. Describe in detail about Live vaccines.

II. Write notes on:

(8 x 5 = 40)

1. Type III Hypersensitivity Reaction.
2. Active immunity
3. Enzyme linked Immunosorbent Assay.
4. Anticoagulants
5. Thick blood smear
6. ABO incompatibility
7. PCV
8. Agglutination Reactions

III. Short answers on:

(10 x 3 = 30)

1. Toll like Receptor
2. Graft versus Host disease.
3. Immunoglobulin A
4. Subunit Vaccine.
5. Reverse blood grouping
6. Separation of plasma
7. Superantigens
8. CRP
9. Absolute Eosinophil count
10. Serum Sickness
