

16.08.2019

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE -27  
MID SEMESTER TEST – AUGUST 2019  
B.Sc. MICROBIOLOGY – V SEMESTER  
MB 5116: IMMUNOLOGY AND MEDICAL MICROBIOLOGY

Time: 1 hour

Max. Marks: 30

I. Answer any Five of the following

5 x 2 = 10

1. Define Opsonization
2. List the mechanisms of innate immunity.
3. Difference between precipitation and agglutination.
4. Name four antigens which are not microbial.
5. Define Mab.
6. Define: Septicaemia, teratogenic infection, Mechanical vectors, and Inoculation.
7. How are infectious diseases classified based on their spread in the community?

II. Answer any One of the following

1 x 5 = 5

8. Tabulate five differences between maternal and first formed antibody.
9. Define and classify an antigenic determinant.

III. Answer any One of the following

1 x 10 = 10

10. Write a short notes on the normal microflora.
11. Illustrate the pathogenesis of *Entamoeba*.

IV. Answer the following

1 x 5 = 5

12. A mouse was given booster doses of a protein purified from a bacterium with a molecular weight of 55Kda. Serum was collected and an Indirect ELISA was carried out with mouse HRP conjugate and TMB as the substrate. What result is expected? Give reasons for your answer.