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(NOVEMBER)

Microbiology – II

Full Marks: 80

Time: 3 hours

The figures in the margin indicate full marks for the questions

Answer all questions

C. Define the following terms:

(2X5=10)

- 1) Herd Immunity
- 2) Anaphylaxis
- 3) Heptans
- 4) Bacterial Growth Curve.
- 5) Memory cells.

A. Answer any **FOUR** of the following questions:

(10X4=40)

(SS/BMLT-III/MICRO-II/11-23)

- 1) What is HIV. Write about the structure, pathogenesis, clinical features and laboratory diagnosis.
 - 2) Define UTT. Explain in brief about causative agent and laboratory diagnosis.
 - 3) What are dermatophytes? Classify them. Explain in details about the clinical features about laboratory diagnosis
 - 4) Name the organism causing Tuberculosis. Explain about the pathogenesis, clinical features and laboratory diagnosis.
 - 5) Define Antigen antibody reaction. Classify them. Write in details about ELISA techniques.
- B. Write short note on any **SIX** of the following: (5X6=30)
- 1) Laboratory diagnosis of Malaria parasites
 - 2) Define antimicrobial sensitivity. Explain about the various methods.
 - 3) Write about common Staining techniques used in Microbiology.
 - 4) Write about moist heat sterilization.
 - 5) Cultivation of viruses.
 - 6) Laboratory diagnosis of Dengue.
 - 7) *Treponema Pallidum* pathogenesis and lab diagnosis.

Turn over