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MBS 507

III Semester M.Sc. Degree Examination, December 2018
MICROBIOLOGY (CBCS-PG-CGPA)
Medical Microbiology

Time : 3 Hours

Max. Marks : 70

I. Answer **any three** of the following :

(3×10=30)

- 1) Write an account on sporulating extracellular bacteria.
- 2) Discuss the mechanism of antibiotic resistance.
- 3) Give an account on important human pathogens.
- 4) Discuss the role of proteins and toxins during infections.
- 5) Explain the signal transduction and cell adhesion during – microbe – Host cell interaction.

II. Write a note on **any five** of the following :

(5×5=25)

- 6) Obligate intracellular bacteria.
- 7) *Mycobacterium tuberculosis*.
- 8) Antimicrobial molecules.
- 9) Recombinant vaccines.
- 10) Emerging pathogens.
- 11) Metastasis.
- 12) Process of infection.
- 13) Molecular typing.

P.T.O.



III. Write a short note on **any five** of the following :

(5×3=15)

- 14) Parasites.
 - 15) *Klebsiella pneumonia*.
 - 16) Soluble toxins.
 - 17) Subunit vaccines.
 - 18) Pore forming toxins.
 - 19) Lectins.
 - 20) Beta lactamases.
 - 21) DNA probes.
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