

Microbiology

Unit :1

- 1) Microbiology applied in nursing field.
- 2) Types of microorganism. Give in details of applications of microbiology.
- 3) Golden era of microbiology. Principle of Robert Koch in microbiology.

Unit :2 /3

- 1) Give the bacterial morphology.
- 2) Give the classification based on Bacteria nature.
- 3) AFB staining
- 4) Gran staining
- 5) What is culture media ? Types of culture media.
- 6) Difference between : Gram +ve and Gram -ve
- 7) Bacterial Growth curve
- 8) Bacterial reproductive in both types
- 9) Explain about the Bacterial spore & their characteristics.
- 10) Describe the culture methods . Give the classification based on comistang based media and their types.
- 11) Give the explanation of media based on media.
- 12) Discuss about the various pathogenic determinants responsible for pathogenicity of streptococcus pyrogen.
- 13) Nagler's reaction
- 14) Discuss the Pathogenicity of Gas gangrene.
- 15) Write down the pathogenesis and lab diagnosis of T.B.
- 16) Discuss the pathogenesis of leprosy.
- 17) Discuss the importance of Protues in UTI.
- 18) Write about the pathogenicity Pseudomonas aeruginosa And it is different to treat the infection caused by it ?
- 19) Write in detail about the lab diagnosis of Syphilis.
- 20) What is Zoonosis ? Write about the zoonotic disease in details.
- 21) Discuss the prophylactic for Poliomyelitis.
- 22) What is hepatitis ? Write about the pathogenicity and prophylaxis of hepatitis B infection.
- 23) What is mode of transmission of HIV and Describe laboratory diagnosis for it ?
- 24) Discuss the parasite infection in AIDS patients.
- 25) What is amebic dysentery ? Write down the differences between : Amebic and bacillary dysentery.
- 26) What is dermatomycosis ? Explain it's pathogenicity and treatment.

Unit : 4

- 1) What is Hypersensitivity ? classify it with suitable examples.
- 2) Discuss Type – I Hypersensitivity in details.
- 3) What are vaccines ? Why do we need them ? Give the examples of various types of vaccine.
- 4) What is Antigen- antibodies reaction ? Write in details about the Agglutination reaction.
- 5) What are the differences classes of Immunoglobulins ?