

**SECOND PROFESSIONAL B.S.M.S. DEGREE EXAMINATION****PAPER VII – NUNNUYIR IYAL (MICROBIOLOGY)*****Q.P. Code : 601131*****Time: Three Hours****Maximum : 100 Marks****I. Elaborate on:****(2 x 15 = 30)**

1. Describe detailed notes on the pathogenesis and laboratory diagnosis of enteric fever with its treatment.
2. How do classify Hepatitis virus? Explain the properties and clinical features of infectious and serum hepatitis.

**II. Write Notes on:****(10 x 5 = 50)**

1. Explain about the types of staining technique for bacterial identification.
2. How will you determine the antimicrobial activity of disinfectant?
3. Describe about sterilization by autoclave and hot air oven and its sterilization controls.
4. What are the toxins and enzymes produced by *Staphylococcus aureus*?
5. Explain about the mechanism of precipitation and its applications.
6. What are the organs in the central lymphoid system for functioning immunity?
7. Explain about the dermatophytic infections.
8. Give a detailed account on dengue fever.
9. What are the common types of hospital acquired infections?
10. Write a bacterial toxin responsible for food borne illness.

**III. Short Answers on:****(10 x 2 = 20)**

1. Explain about Koch's postulate.
2. What is Hypersensitivity?
3. Write about the pigments produced by *Pseudomonas* bacteria.
4. Give examples of acid fast bacteria.
5. What is Rheumatoid arthritis?
6. What are the medium used for fungal culture?
7. Explain mycetism.
8. Write about Antigens.
9. Write about bacteraemia and septicaemia.
10. Explain PUO.

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