

**B.Sc. (Nursing) DEGREE EXAMINATION**  
(New Regulations for the candidates admitted from 2006-07 onwards)

**FIRST YEAR**

**PAPER V – MICROBIOLOGY**

*Q.P. Code: 664705*

**Time: Three Hours**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the morphology, pathogenesis and laboratory diagnosis of *Salmonella*? Give a short account of prevention of *Salmonella*?
2. Define nosocomial Infection. Describe the sources, mode of transmission and write about the hospital infection control programme.

**II. Write notes on:**

**(5 x 5 = 25)**

1. Bacterial endospore.
2. Gram staining.
3. ELISA.
4. Universal precaution.
5. Aspergillosis.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Write about hanging drop method.
2. Name any two auto-immune diseases.
3. Mention about dry heat sterilization.
4. Mention any two types of filters and their uses.
5. Write about simple microscope.
6. Mention any two skin infections produced by *Streptococcus pyogenes*.
7. What is black water fever?
8. Mention any two zoonotic diseases with their causative agents.
9. Define enriched media with example.
10. Give examples for Type III hypersensitivity.

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