

**POST BASIC BACHELOR OF SCIENCE IN NURSING  
DEGREE EXAMINATION**

**FIRST YEAR – NON SEMESTER**

**PAPER VII – MICROBIOLOGY**

*Q.P. Code: 684888*

**Time : Three Hours**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Define hypersensitivity. Classify hypersensitivity. Discuss in detail type I hypersensitivity.
2. Describe the pathogenesis and lab diagnosis of *Mycobacterium tuberculosis*.

**II. Write notes on:**

**(5 x 5 = 25)**

1. Elisa.
2. Acquired Immunity.
3. Gram's stain.
4. Passive immunity.
5. Pathogenesis of *Salmonella typhi*.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Name any two opportunistic fungi.
2. Give two important functions of bacterial capsule.
3. DPT vaccine.
4. List four complications of typhoid.
5. Name two auto-immune disease.
6. Enumerate two diseases caused by *Staphylococcus aureus*.
7. Name two skin infection caused by *Streptococcus pyogenes*.
8. Mention four species of genus *Plasmodium* causing malaria.
9. Widal test.
10. ASO titre.

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