

B.Sc. RESPIRATORY THERAPY
FIRST YEAR
PAPER II – MICROBIOLOGY AND PATHOLOGY

Q.P. Code: 802602

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Define disinfection. List the various disinfectants in common use in hospitals. Describe gaseous disinfectants in detail and their applications.
2. Define health care associated infection. Enumerate the risk factors, common infecting organisms of pneumonia in a health care setting. What are the measures to prevent these infections?
3. Describe the morphology, cultural characteristics and laboratory diagnosis of Mycobacterium tuberculosis.

II. Write Notes on:

(8 x 5 = 40)

1. Bacterial toxins.
2. Bacterial appendages.
3. Carriers.
4. Ethylene oxide sterilization.
5. Candidiasis.
6. General features of inflammation.
7. Irreversible cell injury.
8. Whooping cough.

III. Short Answers on:

(10 x 3 = 30)

1. Revised National Tuberculosis Control program.
2. High level disinfection.
3. Define Droplet infection. Give two examples.
4. Plasmids.
5. Negative staining.
6. Inclusion bodies.
7. Caseous necrosis.
8. Fimbriae.
9. Give three examples of chemicals that induce cell injury.
10. Tyndallisation.
