

February 2009

[KU 1014]

Sub. Code: 4705

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

Answer All questions.

I. Essays:

(2x15=30)

1. Define hypersensitivity. Classify Hypersensitivity.
Discuss in detail type IV hypersensitivity.
2. Discuss in detail the morphology, Pathogenesis and lab diagnosis of streptococci.

II. Write Short Notes on :

(5x 5 = 25)

1. Immunization schedule.
2. Hospital acquired infections.
3. Sexually transmitted diseases.
4. Ascaris worm.
5. Flagella.

III. Short Answer Questions:

(10x 2 = 20)

1. Terminal disinfection.
2. Significant bacteriuria.
3. Chickenpox.
4. Contributions of Robert Koch..
5. MMR.
6. Auto infections in enterobiasis.
7. Define normal flora.
8. What is a vaccine?
9. What is enteric fever?
10. Hydrophobia.

August 2009

[KV 1014]

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(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

Answer All questions.

I. Essays: **(2x15=30)**

1. Classify various methods of sterilization. Write in detail about dry heat sterilization.
2. Name the gram positive cocci. Describe in detail about infection caused by staphylococcus aureus.

II. Write Short Notes on : **(5x 5 = 25)**

1. Rabies virus.
2. Aspergillus fumigatus.
3. Biomedical waste management.
4. Hypersensitivity – Type I.
5. Immunization schedule.

III. Short Answer Questions: **(10x 2 = 20)**

1. Write the Koch's postulates.
2. Give two important functions of bacterial capsule.
3. What is zoonosis? Give two examples.
4. List four complications of diphtheria.
5. Enumerate four live vaccines.
6. Give two examples of type III hypersensitivity.
7. Name two auto immune disease.
8. Enumerate two diseases produced by candida albicans.
9. Name two fungi causing skin infection.
10. Mention four species of genus plasmodia causing malaria.

February 2010

[KW 1014]

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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

Answer All questions.

I. Essays: **(2x15=30)**

1. Define sterilization and discuss in detail moist heat sterilization.
2. List the organisms causing enteric fever. Discuss in detail the lab diagnosis of typhoid fever.

II. Write Short Notes on : **(5x 5 = 25)**

1. Biomedical waste management.
2. Transport media.
3. Hookworm.
4. VDRL test.
5. Hepatitis B virus.

III. Short Answer Questions: **(10x 2 = 20)**

1. Give two important functions of bacterial Pili.
2. Mention two gaseous agents used in disinfection.
3. Mention any two types of filters and their uses.
4. Define cross infection and sub clinical infection.
5. Mention four different chemical methods of sterilization.
6. Mention any two Zoonotic diseases with their causative agent.
7. Mention two skin infections produced by streptococcus pyogenes.
8. Enumerate four killed vaccines.
9. Give two examples of Type IV hypersensitivity.
10. Name two fungal infections common in HIV.

[KY 1014]

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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

Answer All questions.

I. Essays: (2X15=30)

1. Define Sterilization. Discuss in detail the different methods of dry heat sterilization.
2. Classify hypersensitivity. Discuss in detail Type I hypersensitivity.

II. Write Short Notes on : (5X 5 = 25)

1. Bacterial growth curve.
2. Flagella.
3. Candida.
4. Widal Test.
5. Hospital infection control programme.

III. Short Answer Questions: (10X 2 = 20)

1. List the characteristics of passive Immunity.
2. Define precipitation. Give examples.
3. List the contributions of Joseph Lister.
4. Mention four species of plasmodia causing malaria.
5. Name two fungi causing skin infection.
6. Give two examples of Type III hypersensitivity.
7. Mention two antiseptic solutions with their recommended concentration.
8. Enumerate four intestinal nematodes.
9. Name two diseases acquired through the bite of Aedes aegypti mosquito.
10. List four complications of Diphtheria.
