

MEDICAL**[BSCN 0524]****MAY 2024
(APRIL 2024 EXAM SESSION)****Sub. Code: 2308****B.Sc. (Nursing) DEGREE EXAMINATION
THIRD SEMESTER
PAPER VI – APPLIED MICROBIOLOGY
AND INFECTION CONTROL INCLUDING SAFETY
Q.P. Code: 652308****Time : Three Hours****Maximum : 75 Marks****Answer Section A and Section B Separately****Answer all the Questions****SECTION – A (37 Marks)
(APPLIED MICROBIOLOGY)****I. Multiple Choice Questions:****(6 x 1 = 6)****Choose one correct answer in the Answer Script. No overwriting should be done.
Choice should be given in Capital Letters.**

1. Rabies is transmitted by all route EXCEPT:
A) Dog bite B) Cat bite C) Inhalation D) Ingestion
2. Enteric fever in first week of illness is diagnosed by?
A) Widal test B) Blood culture C) Urine culture D) Stool culture
3. Dengue is transmitted by
A) Aedes aegypti Mosquito B) Anopheles Mosquito
C) Mite D) Culex Mosquito
4. Which of the following virus is Oncogenic?
A) Corona virus B) Hepatitis B virus C) Rabies virus D) Influenza virus
5. The LPCB Mount preparation done for
A) Bacterial infection B) Viral infection C) Helminthic infection D) Fungal infection
6. Perianal pruritus is seen in which infection?
A) Pin worm B) Whip worm C) Hook worm D) Round worm

II. Essay:**(1 x 10 = 10)**

1. Describe in detail about Bacterial cell wall. Write a note about Gram Staining.

III. Short answer:**(3 x 5 = 15)**

1. Laboratory diagnosis of fungal infection.
2. Pathogenesis and Laboratory diagnosis of Corona virus infection.
3. General Structure of Antibody.

IV. Very short answers:**(3 x 2 = 6)**

1. Selective Media.
2. Enumerate the Nematodes that causing human infection.
3. Amoebic liver abscess.

(INFECTION CONTROL INCLUDING SAFETY)

(7 x 1 = 7)

Choice should be given in Capital Letters.

1. All of the following are bacterial cause of meningitis EXCEPT?
A) Staphylococcus B) Meningococcus
C) Pneumococcus D) Cryptococcus
2. The most common cause for urinary tract infection is
A) Escherichia coli B) Enterococcus C) Pseudomonas D) Klebsiella
3. Regarding Blood specimen collection for culture the following are true EXCEPT
A) 8 to 10ml should be collected for adults
B) Collected after starting antibiotics
C) Blood culture should never be refrigerated
D) 2 to 3 sets of blood culture to be collected
4. Which of the following vaccine is live vaccine?
A) MMR B) DPT C) Td vaccine D) Covid 19 vaccine
5. Metallic implants should be collected in which colour bag?
A) Yellow B) Red C) Blue D) White
6. The following chemical is low level disinfectant
A) Hypochlorite solution B) Phenol C) Chlorhexidine D) Glutaraldehyde
7. Endoscope is sterilized by
A) Isopropyl alcohol B) Phenol C) Hydrogen peroxide D) Glutaraldehyde

(1 x 10 = 10)

1. Discuss in detail about Biomedical Waste Management.

(3 x 5 = 15)

1. Central Sterile Supply Department.
2. Antimicrobial Stewardship.
3. Standard Precautions.

(3 x 2 = 6)

1. What are the various emergency codes used in hospital to alert their staff?
2. N-95 Mask
3. What is TORCH infection?
