



Third Semester B.Sc. Nursing Examination, (Phase - III) Winter - 2023
APPLIED MICROBIOLOGY AND INFECTION CONTROL
INCLUDING SAFETY

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks :62

SECTION - B & SECTION-C

- Instructions :**
- 1) Use **black ball point pen only.**
 - 2) **Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.**
 - 3) **All questions are compulsory.**
 - 4) **The number to the right indicates full marks.**
 - 5) **Draw diagrams wherever necessary.**
 - 6) **Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.**
 - 7) **Use a common answerbook for section B & C.**

SECTION-B

(Applied Microbiology)

2. **Essay** **[1×10=10]**
Define Immunity, describe in detail the different level of immunity among the living Organisms. Write down the types & Classification of Immunity in details.
3. **Short Notes:** **[3×5=15]**
 - a) Define Hypersensitivity and describe the anaphylactic type.
 - b) Describe in brief about Widal Test.
 - c) Write down the Nursing intervention in vector-borne diseases control.
4. **Very Short Notes:** **[3×2=6]**
 - a) Details about Yeast cell
 - b) Describe Bacterial Growth Curve
 - c) Describe Classification of specimen

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SECTION-C

(Infection Control Including Safety)

5. Essay

[1×10=10]

Define Sterilization and Disinfection. Write 4 characteristics of an ideal disinfectant. Write a note on the Autoclave as a method of sterilization.

6. Short Notes:

[3×5=15]

- a) Define Nosocomial Infection. Describe various nosocomial infections with measures of prevention of infection.
- b) Describe Universal safety Precautions.
- c) What is Antibiotic Stewardship? Explain its importance in health care settings.

7. Very Short Notes:

[3×2=6]

- a) Write down the Principles of Specimen Collection.
- b) Describe briefly about 55 safety protocol?
- c) Enlist the steps of Hand Hygiene.



[Total No. of Pages : 2

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Third Semester B.Sc. Nursing Examination, (Phase - III) Winter - 2023
ADULT HEALTH NURSING-I

Total Duration : Section A + B = 3 Hours

Section B Marks :63

SECTION - B

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 - 7) **Use a common answerbook for all Sections.**

2. Essay / Situation Type

[2×15=30]

- a) Mr. XYZ, 45 years old, was admitted in Coronary Care Unit with severe chest pain;
 - i) Define myocardial infarction.
 - ii) Explain the pathophysiology with clinical manifestation of myocardial Infarction.
 - iii) Write in detail the medical and nursing management of myocardial infarction on admission of Mr. XYZ.
- b) Mr. ABC, aged 45 years, was brought into the hospital with a history of vomiting of blood, abdominal distention;
 - i) Write the etiology of liver cirrhosis.
 - ii) Explain in detail the pathophysiology of liver cirrhosis.
 - iii) Prepare a nursing care plan for Mr. ABC.



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3. Short Notes

[5×5=25]

- a) Enlist medications used in Pulmonary Tuberculosis.
- b) Enlist types of fracture
- c) Define eczema.
- d) Enlist signs and symptoms of hypoglycemia.
- e) Enlist types of Leukemia.

4. Very Short Notes

[4×2=8]

- a) Enlist types of Shock.
- b) Enlist types of Anesthesia.
- c) Stages of wound healing
- d) Enlist types of Hernia.





[Total No. of Pages : 2

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**Third Semester B.Sc. (Nursing) Examination,
Summer - 2024 Phase - II
ADULT HEALTH NURSING - I**

Total Duration : Section A+B = 3 Hours

Section B Marks : 63

SECTION - B

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 - 4) The number to the right indicates full marks.
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 - 6) Distribution of syllabus in Question Paper is only meant to cover the entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all section B.

2. Essay / Situation Type : (Any 2 out of 3) [2 × 15 = 30]

- a) Define shock, enlist the types of shock, describe the management of hypovolemic Shock, draw a flowchart depicting the pathophysiology of hypovolemic shock and list down the nursing diagnoses for a patient who had massive blood loss in road traffic accident.
- b) Define asthma, describe the triggering factors of asthma and their prevention, explain the pathophysiology of asthma, write medical management of asthma, enlist the nursing diagnoses and explain nursing management for three priority nursing diagnoses.
- c) Define peptic ulcer, describe the etiological and predisposing factor of peptic ulcer, enlist the nursing diagnoses, explain the nursing care based on 3 priority nursing diagnoses and differentiate between peptic ulcer and duodenal ulcer.

3. Short Notes (Solve any 5 out of 6) : [5 × 5 = 25]

- a) Care of patient with POP cast
- b) Clinical manifestation of pemphigus vulgaris

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c) Explain Hepatitis B under following headings.

- Sources of infection
- Sign & Symptoms
- Complication
- Management

d) Clinical features of Congestive Cardiac Failure

e) Prevention of anemia

f) Complications of diabetes mellitus

4. Very Short Notes (Solve any 4 out of 5) :

[4 × 2 = 8]

a) Enlist four factors that affect wound healing

b) Zones of OT

c) Four sites of colostomy

d) Four indications of blood transfusion

e) Two clinical manifestation of fracture

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Third Semester B.Sc. Nursing Examination, Summer - 2024

Phase - II

**APPLIED MICROBIOLOGY AND INFECTION CONTROL
INCLUDING SAFETY**

Total Duration : Section A+B+C = 3 Hours

Section B&C Marks : 62

SECTION - B & SECTION - C

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 - 7) Use a common answer book for section B & C.

SECTION - "B"

(Applied Microbiology)

2. Essay (any 1 out of 2) : [1 × 10 = 10]
- a) Define Culture media. Classify culture media with an example. State the importance of culture media to nurse.
 - b) Describe Life cycle malaria parasite and Explain about pathogenicity of malarial parasite.
3. Short Notes (any 3 out of 4) : [3 × 5 = 15]
- a) Define biomedical waste and explain the segregation of waste.
 - b) Define Sterilization and Disinfection and explain the methods of Sterilization.
 - c) Describe the general characteristics of Bacteria.
 - d) Explain different types of care bundles used in ICU.

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4. Very Short Notes (any 3 out of 4) : [3 × 2 = 6]
- Explain the steps of hand washing.
 - Enlist the International Patient Safety Goals.
 - Define the term of "Infection" and "Nosocomial infections".
 - Explain the phases of bacterial growth curve.

SECTION - "C"

(Infection Control Including Safety)

5. Essay (any 1 out of 2) : [1 × 10 = 10]
- Define the term Antibiotic Stewardship. State the Importance of Antibiotic Stewardship. Role of a nurse in prevention of Methicillin-resistant Staphylococcus aureus (MRSA) infection.
 - Define Personal Protective Equipment (PPE). Explain the importance and types of PPE. Role of a nurse in transmission-based precautions.
6. Short Notes (any 3 out of 4) : [3 × 5 = 15]
- Role of nurse in infection control in ICU.
 - Differentiate between medical asepsis and surgical asepsis.
 - Define biological spillage and explain biological spillage management.
 - Define Emergency codes. Explain types of Emergency codes.
7. Very Short Notes (any 3 out of 4) : [3 × 2 = 6]
- Prevention of communication error in Hospital.
 - Enlist the Principles of specimen collection.
 - Explain standard precautions for patient care.
 - Enlist the Members of infection control team in Hospital.



THIRD SEMESTER B.Sc. NURSING EXAMINATIONS
APPLIED MICROBIOLOGY AND INFECTION CONTROL INCLUDING

Total Duration : 3 Hrs.

Total Marks : 75

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 - 7) **Use a common answer book for all sections.**

SECTION – B (Applied Microbiology)

2. Essay : (any 1 out of 2) (1x10=10)
 - a) Define Western blot, Explain principles, Techniques and Application.
 - b) Define Cultural media. Explain the type of special media with example.
3. Short Notes : (any 3 out of 4) (3x5=15)
 - a) Define normal flora, Explain role of resident flora.
 - b) Explain type-I & type-II reaction. Hypersen reach
 - c) Structure and types of Flagella.
 - d) Explain the structure and classification of Microbes.
4. Very Short Notes : (any 3 out of 4) (3x2=6)
 - a) Explain Passive immunity.
 - b) Describe about Fungal Culture.
 - c) Explain Athlete's foot.
 - d) Describe Hypersensitivity reaction.

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SECTION - C (Infection Control Including Safety)

5. Essay : (any 1 out of 2)

(1x10=10)

- a) Define Hospital - acquired infection, Explain the course and types.
- b) Enumerate steps of Hand hygiene.

6. Short Notes : (any 3 out of 4)

(3x5=15)

- a) Explain the sample collection preparation.
- b) Describe Waste Segregation.
- c) Nosocomial Infection.
- d) Explain Quality Nursing documentation.

7. Very Short Notes : (any 3 out of 4)

(3x2=6)

- a) Explain fire precaution in Hospital.
 - b) Describe Effective communication.
 - c) Enlist Types of Hospital Waste.
 - d) Explain Normal flora in the skin.
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Adult Health Nursing-I
Time : 3 Hrs
Max. Marks : 63.00
Version :
Question Booklet Sr. No. :

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Section B

(2x15=30.00)

Que2.Essay / Situation Type (Solve any 2 out of 3)

a.

A 55-year-old female patient, Mrs. Patel, has been admitted with a diagnosis of intestinal obstruction. She underwent surgery to relieve the obstruction and is now in the postoperative period. Answer the Following

Define intestinal obstruction - 02

Enlist the causes, signs and symptoms of intestinal obstruction - 05

Explain the postoperative nursing management of intestinal obstruction - 08

b.

A 65-year-old male patient, Mr. Smith, is admitted to your unit with a fracture of the femur. He is scheduled for skeletal traction. Mr. Smith has a history of osteoporosis and fall at home, sustaining the fracture. Answer the Following.

Define fracture. List the clinical manifestations in fracture of femur 02

Explain the types of fracture 05
nursing diagnoses care plan for a patient with fracture of femur on skeletal traction. - 08

Write two priority

c.

Define Chronic Obstructive Pulmonary Disease(COPD) 02

Explain Etio-Pathophysiology of COPD with its Clinical Manifestation 05

Enlist priority nursing diagnosis and prepare a nursing care plan for three nursing diagnosis 08

Que3.Short Notes (Solve any 5 out of 6)

(5x5=25.00)

a.

Define Anesthesia and types of Anesthesia.

b.

Discuss Hernia.

c.

Explain surgical Asepsis.

d.

Describe Cushing Syndrome

e.

Explain 12 Lead Electro Cardio Gram

f.

Que4. Very Short Notes (Solve any 4 Out of 5) :-

(4x2=8.00)

a.

Stages of Fracture Healing.

b.

Acne Vulgaris

c.

Thalassemia.

d.

Covid 19

e.

Clinical Manifestation of Haemorrhoids.

