



61305

First P.B. B.Sc. Nursing Examination, May/June 2011
MICROBIOLOGY

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

Section B & C Marks: 60

SECTION – B & SECTION – C

Instructions: 1) All questions are compulsory.

2) The number to the right indicates full marks.

3) Draw diagrams wherever necessary.

4) 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.



SECTION – B

2. Answer the following (any 5 out of 6) :

(5×3=15)

a) Koch's postulates.

3

b) High level disinfection.

3

c) Define precipitation reaction. Give two examples of precipitation reactions.

3

d) Polio vaccines.

3

e) Universal safety precautions.

3

f) Candida albicans.

3

3. Answer the following (any 3 out of 4) :

(3×5=15)

A) Define Hospital Acquired Infections. Describe in brief the composition and role of Hospital Infections Control Committee.

5

B) Outline the activities of CSSD. Describe in brief the various autoclave efficiency tests.

5

C) Enumerate the established pathogens causing gas gangrene. Briefly discuss the laboratory diagnosis of gas gangrene.

5

D) Describe the life cycle and laboratory diagnosis of Echinococcus granulosus.

5



SECTION - C

Solve **any two** LAQ questions out of the following (Q. 4, Q. 5, and Q. 6) :

4. a) Mention the pathogenicity of tuberculosis and the methods of collection of sample in pulmonary tuberculosis. 5
- b) Mention the laboratory diagnosis of pulmonary tuberculosis. 5
- c) What is RNTCP ? Discuss RNTCP. 5
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- (1×15=15)
5. a) Draw a labelled diagram of the structure of Human Immunodeficiency Virus (HIV). 3
- b) Discuss the laboratory diagnosis of HIV infection. 8
- c) Add a note on post-exposure prophylaxis and other measures to be adopted following needle stick injury. 4
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- (1×15=15)
6. a) Enumerate the different plasmodium species and the clinical syndromes caused by them in humans. 3
- b) Describe the life cycle of plasmodium falciparum. 4
- c) Discuss the laboratory diagnosis of plasmodium falciparum infection. 8
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- (1×15=15)



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First P.B. B.Sc. Nursing Examination, Summer 2012
MICROBIOLOGY

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

Section B & C Marks: 60

SECTION – B & SECTION – C

- Instructions:**
- 1) **All questions are compulsory.**
 - 2) **The number to the right indicates full marks.**
 - 3) **Draw diagrams wherever necessary.**
 - 4) **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.**

SECTION – B

2. Answer the following (**any five** out of six) : **(5×3=15)**
- a) Type III hypersensitivity reaction
 - b) Mantoux test
 - c) Dosage, Route of administration and schedule of OPV
 - d) Hot air oven
 - e) Draw a neat labeled diagram of hepatitis B virus
 - f) Differences between endotoxin and exotoxin.
3. Answer the following (**any three** out of four) : **(3×5=15)**
- a) Role of 'Infection Control Nurse' in Hospital Infection Control Committee
 - b) Lab diagnosis of Malaria
 - c) Pathogenesis and immune prophylaxis of tetanus
 - d) Classify dermatophytes and give its lab diagnosis.

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SECTION - C

4. Answer any two LAQ out of Q. 4, 5 and 6 : (1×15=15)
- a) Give differences between orthomyxo and paramyxo viruses.
 - b) Add a note on antigenic variations seen in orthomyxo virus.
 - c) Give its epidemiological importance.
5. a) Enumerate bacteria causing sore throat (1×15=15)
- b) Describe morphology and pathogenesis of *C. diphtheriae*.
 - c) Give lab diagnosis of diphtheria and add a note on DPT vaccine.
6. a) Give characteristics of Nematodes. (1×15=15)
- b) Enlist intestinal Nematodes
 - c) Describe Life cycle and Pathogenesis of *A. lumbricoides*.
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First P.B. B.Sc. Nursing Examination, Summer 2013
MICROBIOLOGY

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

Section B & C Marks : 60

SECTION – B & SECTION – C

Instructions: 1) **All questions are compulsory.**

2) **The number to the right indicates full marks.**

3) **Draw diagrams wherever necessary.**

4) **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.**

SECTION – B

(SAQ)

2. Answer **any five** out of six : **(5×3=15)**
- a) Spore
 - b) Robert Koch
 - c) 03 differences between Endotoxin and Exotoxin.
 - d) Draw figure of egg of Hook worm and write its pathogenicity.
 - e) DPT vaccine.
 - f) Write morphological classification of fungi.
3. Answer **any three** out of four : **(3×5=15)**
- a) Life cycle of Plasmodium falciparum.
 - b) Universal safety precautions.
 - c) Role and function of Hospital Infection Control Committee.
 - d) Pathogenicity of Streptococcus pyogenes. Mention important post infection complications/sequelae.

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SECTION – C
(LAQ)

Attempt **any 2**.

(2×15=30)

- | | |
|--|---|
| 4. a) Define Sterilization and Disinfection. | 3 |
| b) Enumerate sterilization by Heat. | 4 |
| c) Write principle, function, uses and sterilization controls of Hot air oven. | 8 |
| 5. a) Mention methods of cultivation of Viruses. | 6 |
| b) Draw labelled diagram of HIV. | 3 |
| c) Write laboratory diagnosis of HIV. | 6 |
| 6. a) Enumerate organism causing Urinary tract infection. | 3 |
| b) Define significant bacteriuria. | 3 |
| c) Write collection, transport, laboratory diagnosis of Urinary tract infection. | 9 |
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**Instructions:**

- 1) Use blue/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 answer book for all section.

Section "A" (40 Marks)1. Short answer question (**any five** out of six) :

(5x5=25)

- a) Enlist Koch's Postulates.
- b) Write a Short note on Bacterial Cell Wall.
- c) Write a Short note on determinants of antigenicity.
- d) Write a note on Grams Staining.
- e) Write a short note on Type-III Hypersensitivity.
- f) Describe Hospital Infection Control programme.

2. Long answer question (**any one** out of two) :

(1x15=15)

- a) What is immunity? Classify and describe various types of immunity.
- b) What is Culture Media? Describe Different Types of Culture Media.

Section "B" (35 Marks)3. Short answer question (**any four** out of five) :

(4x5=20)

- a) Give the difference between Bacteria and viruses.
- b) Write a short note on autoclave.
- c) Describe laboratory diagnosis of Malaria
- d) Describe different serological markers of Hpatitis B.
- e) Write a note on coagulase test.

4. Long answer question (**any one** out of two) :

(1x15=15)

- a) Write a note on Bacterial Morphology with respect to Cell wall, Flagella, Capsule, Nucleus, Size and Shape.
- b) Write down morphology, cultural characteristics, pathogenicity and Lab. diagnosis of Mycobacterium tuberculosis.

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First P.B.B.Sc. Nursing Examination, Summer 2015
MICROBIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION – A & SECTION – B

- Instructions :**
- 1) Use **blue/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 answer book for **all** Section.

SECTION – A (40 Marks)

1. Short answer question (**any five** out of six) : **(5×5=25)**
 - a) Write short note on Elek's gel precipitation test.
 - b) Write a short note on Nagler's reaction.
 - c) Write a short note on widal test.
 - d) Classify dermatophytes with example.
 - e) Pathogenicity of Staphylococci.
 - f) Explain in detail about IgM antibody.

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2. Long answer question (**any one** out of two) : (1×15=15)
- a) Classify immunity. Write national immunization schedule. Explain about cold chain.
 - b) Define sterilization and disinfection. Classify methods of sterilization by heat. Describe Hot Air Oven.

SECTION – B (35 Marks)

3. Short answer question (**any four** out of five) : (4×5=20)
- a) Classify and describe culture medias.
 - b) Life cycle of *Ancylostoma duodenale*.
 - c) Lab diagnosis of Tuberculosis.
 - d) Role of infection control nurse.
 - e) Write down difference between Amoebic and Bacillary dysentery.
4. Long answer question (**any one** out of two) : (1×15=15)
- a) Describe different modes of transmission of infection. Enumerate organisms causing Urinary tract infection. Describe collection of specimen for urine culture.
 - b) Write morphology, cultural characteristics, pathogenicity and laboratory diagnosis of *Vibrio cholera*.
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First P.B.B.Sc. Nursing Examination, Summer 2016
MICROBIOLOGY

Total Duration: Section A + B = 3 Hours

Total Marks : 75

SECTION - A & SECTION - B

- Instructions :**
- 1) Use **blue/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 all Sections.

SECTION – A (40 Marks)

1. Short answer question (any five out of six) : (5x5=25)
 - a) Write contributions of Louis Pasteur.
 - b) Write a note on Hospital Acquired Infection.
 - c) Write a note on blood culture.
 - d) Write a note on Candidiasis.
 - e) Write laboratory diagnosis of Amoebiasis.
 - f) Classify culture media with examples.

2. Long answer question (any one out of two) : (1x15=15)
 - a) Write morphology, cultural characteristics, pathogenicity and laboratory diagnosis of Mycobacterium tuberculosis.
 - b) Draw a neat well labelled diagram of HIV. Write mode of transmission, pathogenicity and laboratory diagnosis of HIV.

**SECTION – B (35 Marks)**

3. Short answer question (**any four** out of five) : **(4x5=20)**
- a) Write laboratory diagnosis of *Vibrio cholera*.
 - b) Write immunisation schedule for vaccines.
 - c) Write a note on Gram staining.
 - d) Write a note on sexually transmitted diseases.
 - e) Describe in detail about cell wall of Gram positive and Gram negative bacteria.
4. Long answer question (**any one** out of two) : **(1x15=15)**
- a) Define sterilisation and disinfection. Describe in detail about physical methods of sterilisation.
 - b) Define hypersensitivity. Write in detail about Type I hypersensitivity.
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**First P.B.B.Sc. Nursing Examination, Summer 2017
MEDICAL AND SURGICAL NURSING**

Total Duration: Section A + B = 3 Hours

Total Marks : 75

SECTION – A and SECTION – B

- Instructions :**
- 1) Use **blue/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 **all** Sections.

SECTION – "A" (40 Marks)

1. Short answer question (**any five** out of six) : (5×5=25)
 - a) Discuss pathophysiology of Fever.
 - b) Aneurysm.
 - c) Chest injuries.
 - d) Portal hypertension.
 - e) Status epilepticus.
 - f) CT scan.

2. Long answer question (**any one** out of two) : (1×15=15)
 - a) Mr. Rambhau, 59 yrs. old admitted with diagnosis of Heart Block.
Explain heart block and its causes.
Explain types of heart block and their medical management.
List down nursing diagnosis and write nursing process on two priority nursing diagnosis for Mr. Rambhau.
 - b) Mrs. Sulakshana, 30 yrs. old is diagnosed for End Stage Renal Disease (ESRD) and she is on dialysis :
Explain Chronic Renal Disease (CRF) and ESRD.
Explain Hemodialysis.
Write medical and surgical management for ESRD.
List down nursing diagnosis and write nursing process on one priority nursing diagnosis for Mrs. Sulakshana.

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SECTION – “B” (35 Marks)

3. Short answer question (**any four** out of five) : (4×5=20)
- a) Pathophysiology of hypothyroidism
 - b) Psoriasis.
 - c) Osteomalacia
 - d) Discuss fluid resuscitation in Burns client
 - e) Discuss scientific principles in handling Bio Medical Waste management.
4. Long answer question (**any one** out of two) : (1×15=15)
- a) Mrs. Gayatri, 52 yrs. old diagnosed for cancer of stomach.
Define cancer and write clinical manifestation for cancer of stomach.
Medical and surgical management for cancer of stomach.
List down nursing diagnosis and write nursing process for one priority nursing diagnosis.
 - b) Mr. Arun, 47 yrs. old diagnosed for AIDS.
Explain AIDS and its clinical ~~management~~ *manifestation*.
Describe ELISA and medical management for AIDS.
List down nursing diagnosis and write nursing process on one priority nursing diagnosis for Mr. Arun.
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First P.B.B.Sc. Nursing Examination, Winter 2017
MEDICAL AND SURGICAL NURSING

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION – A and SECTION – B

- Instructions :**
- 1) Use **blue/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 **all** Sections.

SECTION – A (40 Marks)

1. Short answer question (**any five** out of six) : (5×5=25)
 - a) Explain the different stages of shock.
 - b) Thalassemia.
 - c) Medical and surgical management of glaucoma.
 - d) Meniere's disease.
 - e) Classification of burn depth.
 - f) Thyrotoxicosis.

2. Long answer question (**any one** out of two) : (1×15=15)
 - a) Discuss the ethical and legal issues related to renal transplant and plan pre and post operative nursing intervention for recipient.
 - b) Discuss pulmonary tuberculosis under following heading:
Pathophysiology.
DOTS therapy.
Client's education on care at home.

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SECTION – B (35 Marks)

3. Short answer question (**any four** out of five) : **(4×5=20)**
- a) Sodium imbalance in blood.
 - b) Menstrual disorders.
 - c) Rehabilitation of patient after hip replacement surgery.
 - d) Risk factors and level of prevention for common cancer.
 - e) Nursing intervention during acute stage of pancreatitis.
4. Long answer question (**any one** out of two) : **(1×15=15)**
- a) Explain the modifiable and nonmodifiable risk factors for Coronary Artery Disease (CAD), briefly discuss about PTCA and prepare rehabilitation plan for patient with CAD.
 - b) Discuss different stages of levels of consciousness, explain the initial assessment of unconscious patient and design nursing care plan for patient who is on mechanical ventilator.
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First P.B.B.Sc. Nursing Examination, Winter 2018
MEDICAL AND SURGICAL NURSING

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION – A & SECTION – B

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 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever necessary**.
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 - 7) Use a common answerbook for **all Sections**.

SECTION – A (40 Marks)

1. Short answer question (**any five** out of six) : **(5×5=25)**
 - a) Describe briefly about non-pharmacological management of hypertension.
 - b) Describe briefly on prevention of blindness.
 - c) Colostomy care.
 - d) Explain briefly on Bronchoscopy.
 - e) Breast self examination.
 - f) Discuss briefly on Lasix.

2. Long answer question (**any one** out of two) : **(1×15=15)**
 - a) Write the etiology and risk factors of renal calculi.
List the clinical manifestation and the investigation to be carried out for renal calculi.
As a nurse how will you take care a patient operated for renal calculi ?
 - b) Describe briefly on characteristics of cancer cell. Discuss briefly on prevention of cancer. As a nurse, how will you manage a patient receiving chemotherapy ?



SECTION – B (35 Marks)

3. Short answer question (**any four** out of five) : **(4×5=20)**
- a) Describe briefly on hypovolemic shock.
 - b) Describe briefly on osteoporosis.
 - c) Foot care in diabetes.
 - d) Write briefly on etiological factors for peptic ulcer.
 - e) Describe briefly on Glasgow coma scale.
4. Long answer question (**any one** out of two) : **(1×15=15)**
- a) What is COPD ? What are the causes of COPD ? Write the pathophysiology of COPD. Write the nursing management of a patient having COPD on the first three priority problems by using nursing process format.
 - b) Define myocardial infarction. List the causes and risk factors of myocardial infarction. Describe the clinical features of myocardial infarction. As a nurse, how will you manage a patient admitted with myocardial infarction ?
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First P.B. B.Sc. Nursing Examination, Summer 2018
MEDICAL AND SURGICAL NURSING

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION – A & SECTION – B

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 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full** marks.
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 - 7) **Use** a common answerbook for **all** Section.

SECTION – A (40 Marks)

1. Short answer question (**any five** out of six) : **(5×5=25)**
 - a) Nursing management of pain.
 - b) Diet in peptic ulcer.
 - c) Care of unconscious patient.
 - d) Nursing management of patient with burns.
 - e) Types of neoplasms.
 - f) Cataract.

2. Long answer question (**any one** out of two) : **(1×15=15)**
 - a) Mrs B, a 45 years old admitted in medical ward with the diagnosis as a acute leukocytic leukemia answer the following
Write the classification of leukemia
Discuss the various diagnostic test for Mrs B
Write the medical and nursing management of Mrs B.
 - b) Define cerebro vascular accidents
Enumerate the causes and signs and symptoms of CVA
Write down the medical management and nursing management of CVA.

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SECTION – B (35 Marks)

3. Short answer question (**any four** out of five) : (4×5=20)
- a) Nursing management of patient with hepatic coma.
 - b) Patho physiology of Diabetes Mellitus.
 - c) AIDS-Nursing management.
 - d) Pre and Post operative care of a patient with deviated nasal septum.
 - e) Chronic obstructive Pulmonary Disease and nursing management.
4. Long answer question (**any one** out of two) : (1×15=15)
- a) Mr X 57 year old admitted in surgical icu with rt lobectomy ans the following
List the different types and indication of lobectomy.
Write down the post operative complications of lobectomy.
Discuss in detail the pre and post operative nursing management of X.
 - b) Define cardiac tamponade.
Write the management of cardiac tamponade.
Discuss cardiac catheterisation in detail.
Nursing management of a patient with left ventricular failure.
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First P.B.B.Sc. Nursing Examination, Summer (Phase - II) 2019
MEDICAL AND SURGICAL NURSING

Total Duration : 3 Hours

Total Marks : 75

- Instructions :**
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 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever** necessary.
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 - 7) Use a common answer book for all sections.

SECTION - A (40 Marks)

1. Short answer questions (**any five** out of six) : [5 × 5 = 25]
 - a) Fluid and electrolyte balance.
 - b) Define fever & write nursing care of patient with fever.
 - c) Pre and Post operative care.
 - d) Nursing care of patient with Urinary incontinence.
 - e) Infection & Inflammation.
 - f) Cardiac arrhythmias.

2. Long answer questions (**any one** out of two): [1 × 15 = 15]
 - a) Define Congestive cardiac failure.
Write etiology & clinical features of Congestive cardiac failure.
Explain management of Congestive cardiac failure.
 - b) Define COPD.
Write etiology of COPD.
Explain Management of patient with COPD.

SECTION - B (35 Marks)

3. Short answer questions (**any four** out of five) : [4 × 5 = 20]

- a) Write Nursing responsibility in hemodialysis.
- b) Portal hypertension.
- c) Pancreatitis.
- d) Inguinal hernia.
- e) Hyperthyroidism.

4. Long answer questions (**any one** out of two) : [1 × 15 = 15]

- a) Define peptic ulcer.

Write types & clinical features of peptic ulcer.

Explain management of peptic ulcer.

- b) Define cataract.

Write pathophysiology of cataract.

Explain Nursing management of patient with cataract surgery.

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**First P.B.B.Sc. NURSING Examination, Winter (Phase - III All
Other Remaining UG/PG Course) - 2019
Medical and Surgical Nursing**

Total Duration: Section A + B = 3 Hours

Total Marks : 75

SECTION - A & SECTION - B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
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 - 4) The number to the **right** indicates **full** marks.
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 - 7) Use a common answer book for all sections.

SECTION - "A" (40 Marks)

1. Short answer questions (**any five** out of six) : [5 × 5 = 25]
 - a) Care of patient on ventilator.
 - b) Cardiomyopathy.
 - c) Responsibility of Nurse in blood transfusion.
 - d) Psoriasis.
 - e) Care of patient with total knee replacement.
 - f) Psychosocial aspects of ageing.

2. Long answer questions (**any one** out of two): [1 × 15 = 15]
 - a) Enumerate causes of intestinal obstruction.
List down assessment findings of patient with acute intestinal obstruction.
Write note on colostomy care.
Write post operative nursing management. Prepare nursing care plan of two priority diagnosis.

- b) Define shock.
Explain types of shock.
Explain stages of shock.
Write down medical and nursing management of hypovolemic shock.

SECTION - "B" (35 Marks)

3. Short answer questions (**any four** out of five) : [4 × 5 = 20]

- a) Role of nurse for a patient undergoing radiation therapy.
- b) Hemodialysis.
- c) Cardiopulmonary resuscitation.
- d) Pathophysiology of Diabetes mellitus.
- e) Wound management of burns.

4. Long answer questions (**any one** out of two) : [1 × 15 = 15]

- a) Define Myocardial infarction.
Explain clinical features of myocardial infarction.
Write immediate management of myocardial infarction patient.
Enlist priority nursing diagnosis and prepare nursing care plan for two priority diagnosis.
- b) Write classification of brain tumor.
Describe the clinical manifestation of brain tumors.
List down signs of increased intracranial pressure.
Explain nursing management of patient after craniotomy.

