



First P.B.B.Sc. Nursing Examination, Summer (Phase - II) 2019
NURSING FOUNDATION

Total Duration : 2 Hours

Total Marks : 35

- 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 sections.

SECTION - A (25 Marks)

1. Short answer question (**any five** out of six) : [5 × 5 = 25]
- a) Expanded role of nurse
 - b) Nursing interventions that promote positive adaptation to stress
 - c) Tools for evaluation in nursing process
 - d) Trends influencing nursing practice
 - e) Progressive patient care
 - f) Role of Nursing council in maintenance of nursing standard

SECTION - B (10 Marks)

2. Long answer question (**any one** out of two) : [1 × 10 = 10]
- a)
 - i) Define nursing theory and explain its four concepts
 - ii) Explain Dorothea Orem's theory and its contributions to nursing
 - b)
 - i) Explain quality assurance in Nursing
 - ii) Define nursing process and enlist types of nursing care plans

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First P.B.B.Sc Nursing Examination, Summer (Phase - II) 2019
NUTRITION AND DIETETICS

Total Duration : 2 Hours

Total Marks : 35

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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 answer book for all sections.

SECTION - A (25 Marks)

1. Short answer question (**any five** out of six) : **[5 × 5 = 25]**
- a) Describe the nutrients required for wound healing.
 - b) Classification of food.
 - c) Nutritional needs during pregnancy.
 - d) Diabetic diet.
 - e) Methods of Food preservation.
 - f) Fat soluble vitamins.

SECTION - B (10 Marks)

2. Long answer question (**any one** out of two) : **[1 × 10 = 10]**
- a) Integrated child development scheme.(I.C.D.S.)
 - b) Diet in pre and post laparotomy patient.

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First P.B.B.Sc. Nursing Examination, Summer (Phase - II) 2019
BIOCHEMISTRY AND BIOPHYSICS

Total Duration : 3 Hours

Total Marks : 75

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

SECTION - A (45 Marks)

(Biochemistry)

1. Short answer questions (**any five** out of six) : **[5 × 5 = 25]**
 - a) Explain in detail about Electron Transport Chain.
 - b) State Importance of Water Balance.
 - c) Functions of Plasma Proteins.
 - d) Types and Functions of RNA.
 - e) Explain Balanced Diet and its importance.
 - f) Uric acid formation.

2. Long answer questions (**any two** out of three): **[2 × 5 = 10]**
 - a) Describe beta oxidation of Fatty acids.
 - b) Describe factors affecting Enzyme activity.
 - c) Describe steps of Gluconeogenesis.





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3. Short answer question (**any two** out of three) : [2 × 5 = 10]
- Describe regulation of blood sugar levels.
 - Explain in detail about digestion of Fats.
 - Glucose Tolerance tests (GTT).

SECTION - B (30 Marks)

(Biophysics)

4. Short answer questions (**any four** out of five) : [4 × 5 = 20]
- Define Torque and describe in brief its applications.
 - Explain the eye as a lens.
 - Define gravity and write principles of gravity.
 - What is magnetic induction? Write about applications of magnet.
 - With the help of a diagram, describe a Thermometer.
5. Long answer questions (**any one** out of two) : [1 × 10 = 10]
- Explain in brief how measurement of bioelectricity is useful in diagnosis and treatment.
 - Compare diffusion and osmosis. What is osmotic pressure and what are its applications?



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**First P.B.B.Sc. Nursing Examination, Summer (Phase - II) 2019
PSYCHOLOGY**

Total Duration : 3 Hours

Total Marks : 75

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

SECTION - A (40 Marks)

1. Short answer question (**any five** out of six) : [5 × 5 = 25]
 - a) General Adaptation Syndrome by Hans Seyle.
 - b) Scope of psychology in nursing.
 - c) Body - mind relationship with appropriate examples.
 - d) Laws of learning.
 - e) External body changes in emotions.
 - f) Principles of counselling.

2. Long answer question (**any one** out of two):
 - a)
 - i) Define Psychology. [2]
 - ii) Explain observation method with examples from nursing. [5]
 - iii) Explain importance of psychology study for student nurse. [8]
 - b)
 - i) Define motivation. [2]
 - ii) Write the types of motives. [5]
 - iii) Explain "Maslows Theory of Hierarchy of Needs" with diagram. [8]





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SECTION - B (35 Marks)

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

- a) Characteristics of mentally healthy person.
- b) Psychological needs of child.
- c) Enumerate various psychological tests and explain role of nurse.
- d) Concept of mental hygiene.
- e) Short Term Memory & Long Term Memory.

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

- a) i) Define personality. [2]
- ii) Discuss factors influencing personality development. [5]
- iii) Explain theories of personality development. [8]
- b) i) Explain the types of memory. [5]
- ii) Write the factors influencing memory. [5]
- iii) Write the methods of memorizing. [5]

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First P.B.B.Sc. Nursing Examination, Summer (Phase - II) 2019
MICROBIOLOGY



Total Duration : 3 Hours

Total Marks : 75

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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) Biomedical waste management.
 - b) Hypersensitivity Type -1 reaction.
 - c) Candidiasis.
 - d) Factors affecting Bacterial growth.
 - e) Grams staining.
 - f) General properties of Viruses.

2. Long answer question (**any one** out of two): **[1 × 15 = 15]**
 - a) Write full form of HIV. Draw neatly diagram of HIV. Write the modes of transmission of HIV. Explain Signs and symptoms of HIV with stages.
 - b) Define Sterilization and Disinfection. Claddify Various methods of Sterilization. Write in detail about Hot Air Oven.



SECTION - B (35 Marks)

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

- a) Define and classify Immunity.
- b) Collection of specimen for Urine Culture.
- c) Classify culture medias.
- d) Define Carrier. Classify carriers with examples.
- e) Life cycle of Malaria Parasite.

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

- a) Name the organisms causing Diarrhea. Write in detail about Lab diagnosis and management of Diarrhea.
- b) Define Infection. Explain Modes of transmission of Infection. Write factors contributing to spread of Infection. Write role of Nurse in Prevention of Infection.

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[Total No. of Pages : 2



First P.B.B.Sc. Nursing Examination, Summer (Phase - II) 2019
CHILD HEALTH NURSING

Total Duration : 3 Hours

Total Marks : 75

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SECTION - A (40 Marks)

1. Short answer question (**any five** out of six) : [5 × 5 = 25]
 - a) Baby friendly hospital initiative policy.
 - b) Thermoregulation in a neonate.
 - c) Role of pediatric nurse.
 - d) Hypospadias.
 - e) Degrees of dehydration.
 - f) Bronchiolitis.

2. Long answer question (**any one** out of two): [1 × 15 = 15]
 - a)
 - i) Define growth and development.
 - ii) Enlist the principles of growth and development and pattern of growth.
 - iii) Discuss the language development and needs of preschoolers.
 - b)
 - i) What is the aim of universal immunization programme.
 - ii) Enlist the vaccines for six preventable childhood diseases.
 - iii) Enumerate the contraindications to immunization.

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SECTION - B (35 Marks)

3. Short answer question (any four out of five) :

[4 × 5 = 20]

- a) Control measures for parasitic infection in children.
- b) Behavioral problems in children.
- c) Febrile seizures.
- d) Philosophy and modern concept of child care.
- e) Assessment of nutritional status in children.

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

[1 × 15 = 15]

- a) i) Define leukemia.
ii) Discuss the clinical features and confirmation of diagnosis of leukemia.
iii) Discuss the nursing management for child suffering with leukemia.
- b) i) Define Tracheoesophageal fistula and Atresia.
ii) Write down the classification of Tracheoesophageal fistula and Atresia with diagram.
iii) Write down pre and post operative nursing care of a child with Tracheoesophageal fistula.

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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

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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 mangement 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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[Total No. of Pages : 2

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**First P.B. B.Sc. Nursing Examination, Winter (Phase - III All
Other Remaining UG/PG Course) - 2019
BIOCHEMISTRY AND BIOPHYSICS**

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION - A & SECTION - B

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 - 7) Use a common answerbook for all sections.

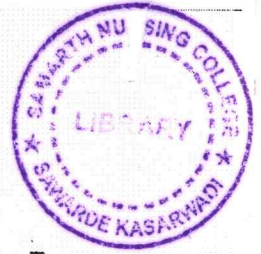
SECTION - "A" (45 Marks)

Biochemistry

1. Short answer questions (any five out of six) : [5 × 5 = 25]
- a) Explain structure and function of mitochondria.
 - b) Discuss importance of biochemistry for nursing.
 - c) Define ketosis. Mention two conditions causing ketosis.
 - d) Essential amino acids.
 - e) Role of liver in fat metabolism- fatty liver.
 - f) Diagnostic significance of enzymes. :

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2. Long answer questions (any two out of three) : [2 × 5 = 10]
- Outline the pathway of glycolysis.
 - Lipoproteins and its functions.
 - When and how glucose tolerance test is performed?
3. Short answer questions (any two out of three) : [2 × 5 = 10]
- Explain difference between DNA and RNA.
 - Discuss important physiological functions of potassium. List the sign and symptoms of hyperkalemia.
 - Biologically important polypeptides.

SECTION - "B" (30 Marks)
Biophysics

4. Short answer questions (any four out of five) : [4 × 5 = 20]
- Explain the units of length, weight, mass, time and velocity.
 - Application of lever, pulley traction in Nursing.
 - Explain different types of fluid motion.
 - Write the differences between Electricity and Electromagnetism.
 - Write the biological effects of light.
5. Long answer question (any one out of two) : [1 × 10 = 10]
- Discuss the effect of heat on matter and write its application in nursing practice.
 - Define hydrostatic pressure. Describe in detail the principles and the methods of measurement of arterial and venous pressure.

