

[Total No. of Pages : 2

62503

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

Total Duration : 3 Hours

Total Marks : 75

- Instructions :**
- 1) Use **blue/black** ball point pen only.
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  - 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)**

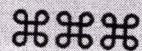
1. Short answer question (**any five** out of six) : [5 × 5 = 25]
  - a) Nursing responsibility in collection of urine sample for culture.
  - b) Effect of neglected oral hygiene.
  - c) Positions used in nursing.
  - d) Steps of back care.
  - e) Care of rubber goods.
  - f) Auto claving.
  
2. Long answer question (**any one** out of two) : [1 × 15 = 15]
  - a) Define sterilization write down the principles of surgical asepsis explain in detail about the method of sterilization
  - b) Define Pyrexia enumerate factors affecting body temperature list the types of fever describe nursing management of patients with fever.



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**SECTION - B (35 Marks)**

3. Short answer question (**any four** out of five): [4 × 5 = 20]
- a) Mouth care of unconscious patient.
  - b) Menstrual hygiene.
  - c) Nursing care of a patient who is breathless.
  - d) Nursing measures to relieve constipation.
  - e) Characteristics of normal pulse.
4. Long answer question (**any one** out of two): [1 × 15 = 15]
- a) Define pressure sore enumerate the risk factors for pressure sore development list the stages of pressure sores discuss the prevention of pressure sores.
  - b) Define comfort Enlist the factors influencing comfort Discuss in detail the nursing interventions in pain management.





[Total No. of Pages : 2

62501

**First Basic B.Sc. Nursing Examination, Summer (Phase - II) 2019  
ANATOMY AND PHYSIOLOGY**

Total Duration : 3 Hours

Total Marks : 75

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

**SECTION - A (42 Marks)**

(ANATOMY)

1. Short answer questions (**any six** out of seven) : [6 × 5 = 30]
  - a) Boundaries and contents of femoral triangle.
  - b) Deltoid muscle.
  - c) Endoplasmic reticulum.
  - d) Relations and blood supply of Right kidney.
  - e) Name the extraocular muscles and mention their nerve supply.
  - f) Bronchopulmonary segments.
  - g) Classify synovial joints with examples.
  
2. Long answer questions (**any one** out of two):
  - a) Describe the urinary bladder under the following headings
    - i) Location and shape. [2]
    - ii) Capacity. [1]
    - iii) Relations in male and female. [3]
    - iv) Ligaments. [2]
    - v) Interior of bladder. [2]
    - vi) Applied anatomy. [2]

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P.T.O.



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- b) Describe the thyroid gland under the following headings
- i) Shape, size and situation. [2]
  - ii) Capsule of thyroid gland. [2]
  - iii) Relations. [3]
  - iv) Blood supply. [3]
  - v) Applied anatomy. [2]

**SECTION - B (33 Marks)**

**(PHYSIOLOGY)**

3. Short answer questions (**any four** out of five): [4 × 5 = 20]
- a) Give the composition and functions of saliva.
  - b) Write a note on functions of WBC.
  - c) Functions of stomach.
  - d) Give the composition and functions of cerebrospinal fluid (CSF)
  - e) Give a flow chart of the conducting system of the heart.

4. Long answer questions :
- a) Enumerate the hormones secreted by anterior pituitary gland. Discuss the actions of thyroid hormones on various metabolisms. [6]
  - b) Add a note on Hyperthyroidism. [7]

OR

- Long answer questions :
- c) Describe ABO & Rh blood group systems. [6]
  - d) Add a note on erythroblastosis fetalis. [7]





[Total No. of Pages : 2

62505

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

3/40

Total Duration : 3 Hours

Total Marks : 75

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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 question (any five out of six) : [5 × 5 = 25]
  - a) Laboratory diagnosis of urinary tract infection. 2
  - b) Importance of Microbiology for nurses. 2
  - c) Cold chain.
  - d) Grams Staining. 2
  - e) Standard safety precautions. 2
  - f) Contribution of Louis Pasteur. 2
  
2. Long answer question (any one out of two) : [1 × 15 = 15] 10
  - a) Define Sterilization and Disinfection. Classify methods of Sterilization. Write about principles, structure, functioning and uses of Autoclave.
  - b) Define immunity. Write difference between live vaccine and killed vaccine, write short note on Anaphylaxis.

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62505

**SECTION - B (35 Marks)**

3. Short answer question (any four out of five): [4 × 5 = 20]
- a) Write short note on Dermatophytes.
  - b) Biomedical waste management. 2
  - c) Widal test. 1
  - d) Pathogenesis of Staphylococcus aureus. 2
  - e) Characteristics of ideal Disinfectant. 2
4. Long answer question (any one out of two): 10 [1 × 15 = 15]
- a) Describe chain of infection. Write factors influencing infection. Write the methods of prevention of infection.
  - b) Describe opportunistic infection in HIV. Write modes of transmission and laboratory diagnosis of HIV.

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[Total No. of Pages : 2

Rushikesh B. Kakad

62502

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

Total Duration : 3 Hours

Total Marks : 75

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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 (45 Marks)**  
(Nutrition)

1. Short answer questions (**any five** out of six) : [5 × 5 = 25]
  - a) Describe the factors affecting nutrition.
  - b) Discuss classification of carbohydrates.
  - c) Explain the role of dietary fibers in human body.
  - d) Note on Kwashiorkor & its prevention.
  - e) Enlist essential amino acids.
  - f) Enlist sources and functions of potassium.
2. Long answer questions (**any two** out of three) : [2 × 5 = 10]
  - a) Explain the various methods of cooking.
  - b) Explain the deficiency disease associated with vitamin B1 (Thiamine).
  - c) Discuss role of nutrition in maintaining health of geriatric people.
3. Short answer questions (**any two** out of three) : [2 × 5 = 10]
  - a) Define dehydration and water intoxication.
  - b) Enlist the factors affecting iron absorption.
  - c) Enlist the functions of fat.

P.T.O.

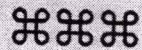


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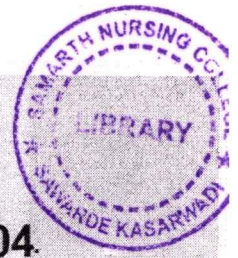
**SECTION - B (30 Marks)**

(Biochemistry)

4. Short answer questions (**any four** out of five) : [4 × 5 = 20]
- a) Write Structure and Functions of Cell Membrane.
  - b) Give classification of Enzymes.
  - c) Discuss Acid Base Balance.
  - d) Give Types and Functions of Lipoproteins.
  - e) Write Functions and deficiency manifestations of Vitamin A.
5. Long answer questions (**any one** out of two) : [1 × 10 = 10]
- a) Describe the steps of Tricarboxylic acid (TCA) cycle
  - b) Describe the various steps of Urea Cycle and its importance.







[Total No. of Pages : 2

62504

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

Total Duration : 3 Hours

Total Marks : 75

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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)**

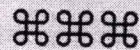
1. Short answer question (**any five** out of six) : [5 × 5 = 25]
  - a) What is heredity and environment?
  - b) What are Muscular and glandular controls of behaviour?
  - c) What is Distraction?
  - d) What is Reasoning?
  - e) Explain Problem Solving.
  - f) What is Psychosexual Development of Personality?
  
2. Long answer question (**any one** out of two) :
  - a)
    - i) Define Conflict. [2]
    - ii) Explain conflict resolution. [5]
    - iii) Explain the different types of conflicts by giving suitable examples. [8]
  
  - b)
    - i) Define Thinking. [2]
    - ii) Enumerate the different types of thinking. [5]
    - iii) Discuss the favourable elements which help in thinking. [8]



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**SECTION - B (35 Marks)**

3. Short answer question (any four out of five): [4 × 5 = 20]
- a) Explain stress.
  - b) What is Psychometric assessment of personality?
  - c) What is Will and Character?
  - d) What are the Characteristics of a mentally healthy person?
  - e) Enlist the Methods of Psychology Explain the survey method.
4. Long answer question (any one out of two) :
- a)
    - i) Define Forgetting. [2]
    - ii) Enlist the causes of forgetting. [5]
    - iii) Explain briefly the theories of forgetting. [8]
  - b)
    - i) Define Motivation. [2]
    - ii) Explain the nature of motivation and its importance in our life. [5]
    - iii) Discuss in detail the types of motives. [8]





[Total No. of Pages : 2

62501

**First Basic B.Sc. Nursing Examination, Winter  
(Phase - III All other remaining UG/PG Course) - 2019  
ANATOMY AND PHYSIOLOGY**

Total Duration : Section A + B = 3 Hours

Total Marks : 75

**SECTION - A & SECTION - B**

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

**SECTION - "A" (42 Marks)**

**(Anatomy)**

1. Short answer question (any six out of seven) :

[6 × 5 = 30]

- a) Cubital fossa.
- b) Morphological classification of bones.
- c) Functions of cerebellum.
- d) Supports of Uterus.
- e) Sternocleidomastoid muscle.
- f) Bare areas of liver.
- g) Adductor canal.

**N - 2652**

**P.T.O.**



62501

2. Long answer question (**any one** out of two) : [1 × 12 = 12]
- a) Describe heart under following heads:
    - i) External features (3)
    - ii) Valves (3)
    - iii) Blood supply (3)
    - iv) Applied Anatomy (3)
  - b) Describe kidneys under following heads:
    - i) Morphology and Coverings (4)
    - ii) Relations (3)
    - iii) Blood supply (3)
    - iv) Applied Anatomy (2)

**SECTION - "B" (33 Marks)**  
**(Physiology)**

3. Short answer question (**any four** out of five) : [4 × 5 = 20]
- a) Explain Lung Volumes and Capacities with the help of a neat labelled diagram.
  - b) Define Glomerular Filtration Rate and write the factors affecting GFR.
  - c) Functions of Blood.
  - d) Actions of Insulin. Add a note on Diabetes Mellitus.
  - e) Physiology of Hearing.
4. Long answer question : [1 × 13 = 13]
- a) Describe the phases of Menstrual Cycle.
  - b) Write in brief the hormonal regulation of Menstrual Cycle. Add a note on Ovulation.

OR

- Long answer question : [1 × 13 = 13]
- c) Define Arterial Blood Pressure, Systolic BP and Diastolic BP. Write a note on Physiological variations in Blood Pressure.
  - d) Enumerate the Mechanisms of Blood Pressure Regulation. Describe in detail the short term regulation of Blood Pressure



[Total No. of Pages : 2

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**First Basic B.Sc. Nursing Examination, Winter  
(Phase - III All Other Remaining UG/PG course) - 2019  
NURSING FOUNDATION**

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" (40 Marks)**

1. Short answer questions (any five out of six) : [5 × 5 = 25]
- a) Causes and risk factors of developing illness.
  - b) Qualities of a good nurse
  - c) Role and responsibilities of nurse in admission of patient to the hospital
  - d) Factors influencing communication with patient.
  - e) Methods of recording
  - f) Guidelines for taking vital signs.

**N - 2654**

**P.T.O**



62503

**SECTION - B (35 Marks)**

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

[4 × 5 = 20]

- a) Mouth care of unconscious patient.
- b) Menstrual hygiene.
- c) Nursing care of a patient who is breathless.
- d) Nursing measures to relieve constipation.
- e) Characteristics of normal pulse.

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

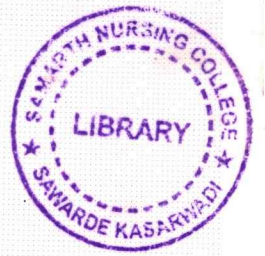
[1 × 15 = 15]

- a) Define pressure sore enumerate the risk factors for pressure sore development list the stages of pressure sores discuss the prevention of pressure sores.
- b) Define comfort Enlist the factors influencing comfort, Discuss in detail the nursing interventions in pain management.



[Total No. of Pages : 2

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**First Basic B.Sc. Nursing Examination, Winter  
(Phase - III All Other Remaining UG/PG course) - 2019  
NURSING FOUNDATION**

Total Duration : Section A + B = 3 Hours

Total Marks : 75

**Section - A & Section - B**

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  - d) Factors influencing communication with patient.
  - e) Methods of recording
  - f) Guidelines for taking vital signs.

**N - 2654**

**P.T.O**



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**SECTION - B (35 Marks)**

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

[4 × 5 = 20]

- a) Mouth care of unconscious patient.
- b) Menstrual hygiene.
- c) Nursing care of a patient who is breathless.
- d) Nursing measures to relieve constipation.
- e) Characteristics of normal pulse.

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

[1 × 15 = 15]

- a) Define pressure sore enumerate the risk factors for pressure sore development list the stages of pressure sores discuss the prevention of pressure sores.
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[Total No. of Pages : 2

62505

**First BASIC B.Sc. Nursing Examination, Winter (Phase-III ALL  
other remaining UG/PG Course) - 2019  
MICROBIOLOGY**

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" (40 Marks)**

1. Short answer questions (any five out of six): [5 × 5 = 25]
  - a) Write a short note on Morphology of Bacteria
  - b) Write a short note on chemical methods of sterilization
  - c) Write a short note on bacterial growth curve.
  - d) Write a short note on sample collection for urine routine and culture.
  - e) Differentiate between Active and Passive immunity.
  - f) Write a short note on ELISA.
  
2. Long answer questions (any one out of two): [1 × 15 = 15]
  - a) Write a note on Bio-medical Waste Management.
  - b) Write a note on Hospital Infection Control Programme. Mention the role of Nurse in Hospital Infection Control.

**N - 2656**

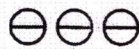
**P.T.O**



62505

**SECTION "B" (35 Marks)**

3. Short answer questions (any four out of five): [4 × 5 = 20]
- a) Write a short note on source of hospital acquired infection.
  - b) Describe Laboratory diagnosis of Tuberculosis.
  - c) Write a note on culture media.
  - d) Write a note on Immunity.
  - e) Describe Koch's Postulates.
4. Long answer questions (any one out of two): [1 × 15 = 15]
- a) Write a note on Growth requirements of bacteria. Describe the effect of Temperature and Moisture on growth of bacteria.
  - b) Describe the steps of Laboratory diagnosis of salmonella typhi.





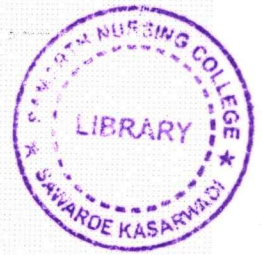
**62502**

2. Long answer questions (any two out of three) : [2 × 5 = 10]
- a) Deficiencies of vitamin D and its Dietary sources.
  - b) Dietary sources and Functions of carbohydrates.
  - c) Factors affecting basal metabolic rate.
3. Short answer questions (any two out of three) : [2 × 5 = 10]
- a) National iodine deficiency disorders (IDD).
  - b) Nutrition education and role of nurse in adolescent Anemia.
  - c) Maintenance of fluid and electrolyte balance for toddler with Diarrhea.

**SECTION - "B" (30 Marks)**  
**(Biochemistry)**

4. Short answer questions (any four out of five) : [4 × 5 = 20]
- a) Transamination reactions.
  - b) Functions and Deficiency manifestations of Vitamin C.
  - c) Structure and Functions of Cell membrane.
  - d) Classification of Enzymes with suitable examples.
  - e) Functions and Deficiency manifestations of Iron.
5. Long answer questions (any one out of two): [1 × 10 = 10]
- a) Describe various steps of Glycolysis. Add a note on its Energetics.
  - b) Describe steps of Beta-oxidation of Fatty acids. Add a note on its energetics.





[Total No. of Pages : 2

62502

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

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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  - 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" (45 Marks)**

**(Nutrition)**

- 1. Short answer questions (any five out of six) :**

**[5 × 5 = 25]**

- a) Functions of food.
- b) Vitamin A deficiency programme.
- c) Assessment of nutritional status of pre-schooler.
- d) Factors influencing food selection.
- e) Principles of cooking.
- f) Prevention of food adulteration Act (PFA).

**N - 2653**

**P.T.O**