

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

Total Duration : 3 Hours

Total Marks : 75

- 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 (42 Marks)**

(ANATOMY)

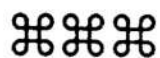
1. Short answer questions (**any six** out of seven) : [6 × 5 = 30]
  - a) Boundaries and contents of femoral triangle.
  - b) Deltoid muscle.
  - c) Endoplasmic reticulum.
  - d) Relations and blood supply of Right kidney.
  - e) Name the extraocular muscles and mention their nerve supply.
  - f) Bronchopulmonary 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]

- 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]
- Give the composition and functions of saliva.
  - Write a note on functions of WBC.
  - Functions of stomach.
  - Give the composition and functions of cerebrospinal fluid (CSF)
  - Give a flow chart of the conducting system of the heart.
4. Long answer questions :
- Enumerate the hormones secreted by anterior pituitary gland. Discuss the actions of thyroid hormones on various metabolisms. [6]
  - Add a note on Hyperthyroidism. [7]
- OR
- Long answer questions :
- Describe ABO & Rh blood group systems. [6]
  - Add a note on erythroblastosis fetalis. [7]



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

Total Duration : 3 Hours

Total Marks : 75

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**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.

**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.

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

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) 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.

**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.



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

Total Duration : 3 Hours

Total Marks : 75

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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]

**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]





**First Basic 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 question (**any five** out of six) : **[5 × 5 = 25]**
  - a) Laboratory diagnosis of urinary tract infection.
  - b) Importance of Microbiology for nurses.
  - c) Cold chain.
  - d) Grams Staining.
  - e) Standard safety precautions.
  - f) Contribution of Louis Pasteur.
  
2. Long answer question (**any one** out of two) : **[1 × 15 = 15]**
  - 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.

**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.
  - c) Widal test.
  - d) Pathogenesis of Staphylococcus aureus.
  - e) Characteristics of ideal Disinfectant.
4. Long answer question (any one out of two) : [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.

