

First BASIC B.Sc. (Nursing) Examination, Summer - 2023 (Phase - III)
ANATOMY AND PHYSIOLOGY

Total Duration : 3 Hours

Total Marks : 75

- 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 all sections.**

Section "A" (42 Marks)
(Anatomy)

1. Short answer question (any six out of seven) : [6 × 5 = 30]
- a) Explain popliteal fossa .
 - b) Discuss Lymphatic drainage of mammary gland
 - c) Discuss Mitochondria
 - d) Discuss Muscles of gluteal region
 - e) Draw a neat labelled diagram of Uterus .
 - f) Enumerate relations of anterior surface of left kidney
 - g) Explain the Difference between small and large intestine

2. Long answer question (any one out of two) : [1 × 12 = 12]
- Describe Lungs under the following heads
 - Structure
 - Blood and nerve supply
 - Applied anatomy
 - Describe heart under the following heads
 - Structure
 - Conduction system
 - Blood supply

Section "B" (33 Marks)

(Physiology)

3. Short answer question (any four out of five) : [4 × 5 = 20]
- Discuss factors affecting blood pressure
 - Describe different types of blood cells and their functions
 - Explain process of urine formation
 - Discuss Functions of insulin
 - Discuss functions of Reproductive system

4. Long answer question : [1 × 13 = 13]
- Explain Homeostasis and role of various system of body in Homeostasis.
 - Name hormones of posterior pituitary gland. Explain function of any one hormone of posterior pituitary gland.

OR

- Long answer question : [1 × 13 = 13]
- Describe types of blood cells and their roles in the human body.
 - Explain chemical regulation of respiration. Add a note on oxygen toxicity.



First BASIC B.Sc. (Nursing) Examination, Summer - 2023 (Phase - III)
NUTRITION AND BIOCHEMISTRY

Total Duration : 3 Hours

Total Marks : 75

- 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 all sections.

Section "A"
(Nutrition)

1. Short answer questions (Solve any 5 out of 6) : [5 × 5 = 25]
- a) Functions of Nutrients.
 - b) ICDS
 - c) Sign and symptoms of dehydration
 - d) Functions and deficiency of Potassium
 - e) Ill effects of food adulteration
 - f) Vitamin C

2. Long answer questions (Solve any 2 out of 3) : [2 × 5 = 10]
- Define protein, its function and deficiency.
 - What is food preservation write down different methods of food preservations.
 - Define Lipids its classification and functions.
3. Short answer questions (Solve any 2 out of 3) : [2 × 5 = 10]
- Importance vitamins to body and rules to follow to prevent vitamin loss during cooking.
 - Classification of food as per its function.
 - Define dehydration and its dietary management.

Section "B"

(Biochemistry)

4. Short answer questions (Solve any 4 out of 5) : [4 × 5 = 20]
- Electrophoresis
 - Define Enzymes. Describe the factors affecting Enzymes activity.
 - Free Radicals
 - Functions and Deficiency Manifestation of vitamin C
 - Describe fluid Mosaic Model with neat label Diagram.
5. Long answer questions (Solve any 1 out of 2) : [1 × 10 = 10]
- Define Hypoglycemia. List Bio-chemical indicators of Diabetic control. Explain hormonal regulation of Blood Glucose level.
- OR
- Discuss steps of β -Oxidation of fatty Acid with it's Location and Energy yielding



First Basic B.Sc. (Nursing) Examination, Summer - 2023 (Phase - III)
NURSING FOUNDATION

Total Duration : 3 Hours

Total Marks : 75

- 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 all sections.**

Section "A" (40 Marks)

Short answer question (any five out of six) :

[5 × 5 = 25]

- a) Indications and advantages of tube feeding.
- b) Medical Asepsis.
- c) Factors influencing comfort.
- d) Methods of effective communication.
- e) Admission procedure.
- f) Hazards associated with immobility.

2. Long answer question (any one out of two) : [1 × 15 = 15]
- a) • (i) Define fever (02 Marks). (ii) Enlist types of fever (04 Marks). (iii) Briefly describe the nursing care of a patient with high grade fever (06 Marks). (iv) List down the purposes of taking and recording vital signs (03 Marks).
- b) (i) Write the purposes of Oxygen inhalation (04 Marks). (ii) Enlist the methods of Oxygen inhalation (04 Marks). (iii) Describe scientific principles applied to Oxygen inhalation (05 Marks). (iv) What are the complications of prolonged Oxygen inhalation (02 Marks).

Section "B" (35 Marks)

3. Short answer question (any four out of five) : [4 × 5 = 20]
- a) List the types of records and briefly describe any one.
- b) Steps of CPR- Basic life support.
- c) Factors influencing nutrition of the patient.
- d) Consumer rights.
- e) Terminal disinfection.
4. Long answer questions (any one out of two) : [1 × 15 = 15]
- a) i) Enlist the basic needs of an unconscious patient. [3]
 ii) Describe the purposes of bed bath. [4]
 iii) Write the scientific principles of Bed Bath. [5]
 iv) Differentiate between active and passive exercises. [3]
- b) i) List the routes of medicine administration. [4]
 ii) Enlist factors influencing drug administration. [4]
 iii) What rules you will follow while giving oral medication? [4]
 iv) What will you observe and record after giving oral medication? [3]



First BASIC B.Sc. (Nursing) Examination, Summer - 2023 (Phase - III)
PSYCHOLOGY

Total Duration : 3 Hours

Total Marks : 75

- 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 all sections.**

Section "A" (40 Marks)

1. Short answer question (any five out of six) : [5 × 5 = 25]
- a) Characteristics of Mentally healthy person.
 - b) What are the types of Conflicts which may cause frustration?
 - c) Psychological needs of adolescents.
 - d) Steps of Problem solving.
 - e) Strategies to improve memory.
 - f) Distinguish between Sensation and Perception.

2. Long answer question (any one out of two) : [1 × 15 = 15]
- Define Emotion. List the various changes occurring during different emotions. Discuss Psychosomatic illness.
 - Define Learning. Explain various types of Learning. Discuss the learning process with an example from nursing.

Section "B" (35 Marks)

3. Short answer question (any four out of five) : [4 × 5 = 20]
- Explain Maslow's Self Actualization theory.
 - Explain the features of Attitude.
 - Warning signs of poor mental health in adults.
 - Explain methods of Introspection.
 - Explain any five Defense Mechanisms.
4. Long answer questions (any one out of two) : [1 × 15 = 15]
- Define Psychology. Explain any four branches of Psychology. Importance of Psychology in Nursing.
 - Explain psycho social Motivation. Explain McClellan theory of motivation. How motivation will help nurse to deal with patient.



First Basic B.Sc. (Nursing) Examination, Summer - 2023 (Phase - III)
MICROBIOLOGY

Total Duration : 3 Hours

Total Marks : 75

- 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 all sections.**

Section "A" (40 Marks)

1. Short answer question (any five out of six) : [5 × 5 = 25]
- a) Universal Immunization Schedule (India).
 - b) Standard Safety measures.
 - c) Write Classification bacteria based on their shape and give example of each.
 - d) Write a short note on IgM.
 - e) Contribution of Louis Pasteur.
 - f) Pathogenicity of Vibrio Cholera

2. Long answer question (any one out of two) : [1 × 15 = 15]
- Define Sterilization and Disinfection. Describe in detail about Sterilization by heat.
 - Explain Morphology, life cycle and pathogenicity of *Entamoeba histolytica*.

Section "B" (35 Marks)

3. Short answer question (any four out of five) : [4 × 5 = 20]
- Name 4 DNA and 4 RNA viruses.
 - Life cycle of round worm.
 - Type II hypersensitivity reaction.
 - Scope of Microbiology in Nursing practice.
 - Write a note on Nosocomial infection.
4. Long answer questions (any one out of two) : [1 × 15 = 15]
- Explain Morphology, Pathogenesis and Laboratory diagnosis of *Clostridium tetani*.
 - Draw a neat labelled diagram of bacterial cell. Explain in detail about Bacterial flagella. What the factors the affect growth of bacteria?

