

**First Basic B.Sc. Nursing (Old) Examination, Winter - 2022**  
**ANATOMY AND PHYSIOLOGY**

Total Duration : Section A + B = 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 answerbook for **all** sections.

**SECTION - A (42 Marks)**

**(Anatomy)**

1. Short answer question (**any six** out of seven) : **[6×5=30]**
- a) Mitochondria
  - b) Lumbar puncture
  - c) Mechanism of Respiration.
  - d) Popliteal Fossa.
  - e) Deltoid muscle.
  - f) Porta Hepatis.
  - g) Enumerate the branches of External Carotid Artery

2. Long answer question (**any one** out of two) : [1×12=12]
- a) Describe Stomach under following heads:
    - i) Gross Anatomy and Relations
    - ii) Blood Supply
    - iii) Applied Anatomy
  - b) Describe Shoulder joint under following heads :
    - i) Type and Articular surface
    - ii) Ligaments
    - iii) Movements and Muscles producing movements
    - iv) Applied Anatomy

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

3. Short answer question (**any four** out of five) : [4×5=20]
- a) Enumerate different components of blood. What are functions of white blood corpuscles?
  - b) Draw well labelled diagram of nephron. Enumerate functions of kidney.
  - c) Enumerate different hormones secreted by anterior pituitary. Write clinical features of hypothyroidism.
  - d) Write about different phases of menstrual cycle and their hormonal regulation
  - e) Draw a diagram of reflex arc. Enumerate the different types of reflexes.
4. Long answer question : [1×13=13]
- a) Define cardiac output. Enumerate factors affecting cardiac output. [6]
  - b) Describe structure, synthesis and varieties of haemoglobin. Enumerate different methods of estimation of haemoglobin. [7]

OR

- Long answer question : [1×13=13]
- c) Describe the different mechanism which bring the body temperature back to normal when body is too hot. Write down functions of skin. [6]
  - d) Write composition and functions of saliva. Name the various phases of salivary secretion. [7]



**First Basic B.Sc. Nursing (Old) Examination, Winter - 2022**  
**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.
  - 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 (45 Marks)**

**(Nutrition)**

1. Short answer questions (**any five** out of six) : **[5×5=25]**
- a) Discuss classification of food.
  - b) Enlist the functions of carbohydrate.
  - c) Write a note on mid day meal programme.
  - d) Note on Rickets & its prevention.
  - e) Note on Composition of body fluids.
  - f) Classify vitamins & list the deficiency diseases of Vitamin A.

2. Long answer questions (**any two** out of three) : [2×5=10]
- Explain the various methods of food preservation.
  - Define Basal Metabolic Rate. Enlist the factors affecting Basal Metabolic Rate.
  - Food additives and its principles.
3. Short answer questions (**any two** out of three) : [2×5=10]
- Enlist deficiency diseases of calcium and its prevention.
  - Explain the classification of proteins.
  - Discuss the effects of overconsumption of fats.

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

4. Short answer questions (**any four** out of five) : [4×5=20]
- Write about diagnostically important enzymes with their significance.
  - Note on Immunoglobulins and their functions.
  - Note on absorption and storage of Iron.
  - Competitive inhibition of enzymes with suitable examples.
  - Write biological function and deficiency manifestations of vitamin 'A'.
5. Long answer questions (**any one** out of two) : [1×10=10]
- Describe the fate and formation of Ammonia. Add a note on diagnostic significance of serum urea level.
  - Describe the pathway of gluconeogenesis and its importance.



**First Basic B.Sc. Nursing (Old) Examination, Winter - 2022**  
**NURSING FOUNDATION**

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) : **[5×5=25]**
- a) Qualities of a Nurse.
  - b) Barriers of Effective Communication.
  - c) Methods of Health Assessment.
  - d) Types of records.
  - e) Classification of Enemas.
  - f) Comfort devices.

2. Long answer question (**any one** out of two) : **[1×15=15]**
- a) Describe causes of bed sore. Name the pressure points. How will you prevent bed sore in a bed ridden client?
  - b) Define pyrexia. Explain types of pyrexia. Write the Nursing care of patient with pyrexia.

**SECTION - B (35 Marks)**

3. Short answer question (**any four** out of five) : **[4×5=20]**
- a) Indication of Nasogastric tube feeding.
  - b) Management of a client with pain.
  - c) Maslow's hierarchy of Needs.
  - d) Types of beds.
  - e) Standard Safety precautions. (Universal Precautions).
4. Long answer question (**any one** out of two) : **[1×15=15]**
- a) Define Nursing process. List down any five Nursing Diagnosis. Write down the steps of Nursing process.
  - b) List various routes of administration of medication. Enlist the rights of administration of medication. Write down the Nurses responsibilities while administering medication.



**First Basic B.Sc. Nursing (Old) Examination, Winter - 2022**  
**PSYCHOLOGY**

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) : **[5×5=25]**
- a) Explain types of attention.
  - b) Explain Short term memory and Long term memory.
  - c) Factors affecting the development of personality.
  - d) Explain intelligence test.
  - e) Write about Individual differences in intelligence.
  - f) Errors of perception.

2. Long answer question (**any one** out of two) : [1×15=15]
- a)
    - i) Define learning.
    - ii) Write down characteristics of learning.
    - iii) Discuss factors affecting learning.
  - b) Define aptitude. What is the difference between aptitude and intelligence? Enlist measurement of aptitude test and describe Nursing implications of aptitude.

**SECTION - B (35 Marks)**

3. Short answer questions (**any four** out of five) : [4×5=20]
- a) Theories of emotion.
  - b) Body mind relationship.
  - c) Define perception. Write difference between illusion and hallucination.
  - d) Theories of transfer of learning.
  - e) Explain personality development theory by Freud with example.
4. Long answer questions (**any one** out of two) : [1×15=15]
- a)
    - i) Define thinking
    - ii) Enlist types of thinking. Describe any two types of thinking.
    - iii) Enlist steps a nurse can follow to solve a patient's problems.
  - b) Define emotion. Enlist theories of emotion. Explain the role of a nurse in the control of patient's emotions in hospital.





**First Basic B.Sc. Nursing (Old) Examination, Winter - 2022**  
**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 questions (**any five** out of six) : **[5×5=25]**
- a) Write note on Gram stain.
  - b) IgM Antibody.
  - c) Write a note on sterilization by filtration method.
  - d) Enlist 4 DNA & 4 RNA Viruses.
  - e) Write a note on bacterial cell wall.
  - f) Write a note on Blood culture.

2. Long answer questions (**any one** out of two) : [1×15=15]
- Define sterilization & Disinfection. Discuss in detail sterilization by moist heat.
  - Define agglutination. Write in detail about agglutination reactions.

**SECTION - B (35 Marks)**

3. Short answer questions (**any four** out of five) : [4×5=20]
- Write life cycle of Malaria.
  - Write a note on Candida.
  - Define carriers. Mention different types of carriers with examples.
  - Write contributions of Louis Pasteur.
  - Write a note on Type I Hypersensitivity reaction.
4. Long answer questions (**any one** out of two) : [1×15=15]
- Draw a neat & well labelled diagram of HIV. Write morphology, transmission, Pathogenicity & Laboratory diagnosis of HIV.
  - Define Hospital Infection. Write in detail about hospital acquired infection.

