

First Basic B.Sc. Nursing Examination, Winter - 2020
ANATOMY AND PHYSIOLOGY

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 (42 Marks)

(Anatomy)

1. Short answer questions (any six out of seven) : [6 × 5 = 30]
- a) Classification of bones with examples.
 - b) Enumerate extrinsic muscles of tongue and state its nerve supply
 - c) Right atrium
 - d) Support of uterus.
 - e) Deltoid muscle
 - f) T.S. of Spinal Cord
 - g) Boundaries and contents of cubital fossa

2. Long answer question (any one out of two): [1 × 12 = 12]
- Describe stomach under the following heads
 - Gross and relations
 - Blood supply
 - Applied anatomy
 - Describe hip joint under the following heads
 - Articular surface
 - Ligaments
 - Movements and muscles producing movements

SECTION - B (33 Marks)

(Physiology)

3. Short answer questions (any four out of five): [4 × 5 = 20]
- Cell membrane
 - Composition and functions of gastric juice
 - Spermatogenesis
 - Cretinism
 - Erythroblastosis foetalis
4. Long answer question: [1 × 13 = 13]
- Define cardiac output. Enumerate the methods to measure cardiac output. Write about any one method. [6]
 - Write in brief about the factors determining cardiac output. [7]
- OR
- Long answer question: [1 × 13 = 13]
- Write the compositions and Functions of blood? [6]
 - Write a note on iron deficiency anemia. [7]



First Basic B.Sc. Nursing Examination, Winter - 2020
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) Explain the factors affecting food and nutrition.
 - b) Discuss the functions of proteins.
 - c) Iron deficiency anemia.
 - d) Explain role of a nurse in nutritional programme.
 - e) Discuss factors affecting iron absorption.
 - f) Classify lipids with examples. Write functions of lipids.

2. Long answer question (any two out of three) : [2 × 5 = 10]
- a) Explain principles of cooking.
 - b) Define carbohydrates and classify it with examples.
 - c) Explain different methods of food preparation.
3. Short answer question (any two out of three) : [2 × 5 = 10]
- a) Explain principles of weaning.
 - b) Describe clinical features of severe protein energy malnutrition.
 - c) Explain role of fibre in diet.

SECTION - B (30 Marks)

(Biochemistry)

4. Long answer question (any four out of five) : [4 × 5 = 20]
- a) Describe deficiency manifestations of vitamin D.
 - b) Write a note on homopolysaccharides.
 - c) Describe regulation of blood calcium level.
 - d) Describe hormonal regulation of water and electrolyte balance.
 - e) Discuss nitrogen balance.
5. Long answer question (any one out of two) : [1 × 10 = 10]
- a) Describe Tricarboxylic acid cycle. Write about its amphibolic nature.
 - b) Define enzymes. Classify them giving examples. Add a note on clinical significance of enzymes in heart disease.



First Basic B.Sc. Nursing Examination, Winter-2020
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) Health illness continuum.
 - b) Patients Bill of rights.
 - c) Maslow's hierarchy of Needs.
 - d) Composition and characteristics of urine.
 - e) Explain levels of disease prevention with examples.
 - f) Importance of documentation in hospital.

2. Long answer question (any one out of two) : [1 × 15 = 15]
- a) i) Define Infection. [2]
 ii) Discuss chain of infection [6]
 iii) Write Universal precaution [7]
- b) i) Define communication. [2]
 ii) Discuss modes of communication. [6]
 iii) Communication process. [7]

SECTION - B (35 Marks)

3. Short answer question (any four out of five) : [4 × 5 = 20]
- a) Factors Affecting Fluid Electrolyte, and Acid Base Balance.
 b) Recreational and diversional therapies.
 c) Stress and adaptation.
 d) Care of dead body.
 Replaced (e) Factors affecting food & electrolyte balance.

4. Long answer question (any one out of two) : [1 × 15 = 15]
- a) i) Define Sterilization. [2]
 ii) List the Principles of surgical asepsis. [5]
 iii) Explain the methods of sterilization. [8]
- b) i) Define Dyspnoea. [3]
 ii) List the Indication of Oxygen administration. [5]
 iii) Explain the role of Nurse in the administration of Oxygen. [7]



First Basic B.Sc. Nursing Examination, Winter - 2020
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) What is Self Actualization?
 - b) Explain Characteristics of Emotion.
 - c) Explain conflict resolution.
 - d) Explain the effect of body on mental functioning.
 - e) What are the causes of Mental Deficiency?
 - f) What is Amnesia?

2. Long answer question (any one out of two) : [1 × 15 = 15]
- a) i) Define perception. [2]
 ii) State principles of perception. [5]
 iii) What are the factors affecting perception. [8]
- b) i) Define Learning. [2]
 ii) Explain types of Learning. [5]
 iii) Explain any one theory of Learning. [8]

SECTION - B (35 Marks)

3. Short answer question (any four out of five) : [4 × 5 = 20]
- a) Explain Maslow's Theory of Motivation.
 b) Explain theories of Personality.
 c) Explain the process of problem solving.
 d) Enlist and Explain any 2 branches of Psychology
 e) What are Defence Mechanisms? Explain any two.
4. Long answer question (any one out of two) : [1 × 15 = 15]
- a) i) Define Attitude [2]
 ii) Explain Factors affecting Attitude [5]
 iii) Explain Nurse and Attitude [8]
- b) i) Define Stress. [4]
 ii) Explain the various stressors affecting our lives. [11]



First Basic B.Sc. Nursing Examination, Winter 2020
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 question (any five out of six) : [5 × 5 = 25]
- a) Widal test.
 - b) Life cycle of *Ancylostoma duodenale* (Hook worm).
 - c) Candidiasis.
 - d) Biomedical waste management.
 - e) Gram stain.
 - f) Contribution of Louis Pasteur to Microbiology.

2. Long answer question (any one out of two) : [1 × 15 = 15]
- a) Define and classify immunity. Write a short note on National Immunization schedule.
 - b) Enumerate organisms causing urinary tract infection. Write lab diagnosis of urinary tract infection. Write on prevention of Nosocomial urinary tract infection.

SECTION - "B" (35 Marks)

3. Short answer question (any four out of five) : [4 × 5 = 20]
- a) Bacterial growth curve.
 - b) Standard safety precautions.
 - c) Cold chain.
 - d) Characteristics of an ideal disinfectant.
 - e) Pathogenicity of Staphylococcus aureus.
4. Long answer question (any one out of two) : [1 × 15 = 15]
- a) Define Nosocomial infections. Classify nosocomial infections. Write on methods to prevent Nosocomial respiratory tract infections and bacteremias. Write in short Role of a infection control Nurse.
 - b) Define culture Medias. Classify Culture medias with example. Write in short on methods of Culture.

