

[Total No. of Pages : 2]

EEB0000300017551202

First Semester B.Sc. Nursing Examination, (Phase-III) Winter - 2023
APPLIED ANATOMY & APPLIED PHYSIOLOGY (Paper-I)

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 62

SECTION - B & SECTION - C

- 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 section B & C.

SECTION-B

2. Long Answer Questions: (Solve any one out of 2): [1×10=10]
- a) Define joints. What are the types of joints? Describe the Shoulder joint in detail.
 - b) Enumerate the parts of the Digestive system. Discuss accessory organs of digestion.
3. Short Answer Questions : (Solve any 3 out of 4): [3×5=15]
- a) Thyroid gland
 - b) Meninges of Brain
 - c) External features of kidney.
 - d) Trapezius muscle

4. Short Answer Questions : (Solve any 3 out of 4):

- a) Peristalsis
- b) Goitre
- c) Stroke volume
- d) R.B.C.

SECTION-C

5. Long Answer Questions : (Solve any 1 out of 2)

[1×10=10]

- a) Functions of Kidneys.

- b) Explain in detail the various functions of the Liver.

6. Short Answer Questions : (Solve any 3 out of 4)

[3×5=15]

- a) Hormones of anterior pituitary.

- b) Functions of Cerebellum.

- c) Functions of pancreas.

- d) Conducting system of heart.

7. Short Answer Questions : (Solve any 3 out of 4)

[3×2=6]

- a) Describe the structure of the renal capsule.

- b) Explain parts of the male urethra.

- c) Describe the Lobes of Liver.

- d) Draw a well labelled diagram of transverse section of spinal cord.



5. Long Answer Questions (Solve any 1 Out of 2) :-

[1 × 10^M = 10]

- a) i) Define synapse, write its classification & enumerate their properties
ii) Describe the mechanism of synaptic transmission
- b) i) Describe phases of menstrual cycle
ii) Discuss the hormonal control of menstrual cycle

6. Short Answer Questions (Solve any 3 Out of 4) :-

[3 × 5^m = 15]

- a) Describe the functions of the hypothalamus
- b) Mechanism of blood pressure regulation
- c) Composition and function of saliva
- d) Puberty

7. Short Answer Questions (Solve any 3 Out of 4) :-

[3 × 2 = 6]

- a) Neuron
- b) Pelvic floor muscles
- c) Types of tissues
- d) Aorta & its branches



APPLIED ANATOMY & APPLIED PHYSIOLOGY

Total Duration : Section A+B = 3 Hours

Section B Marks : 62

SECTION - B

- Instructions :**
- 1) Use blue/black ball point pen only.
 - 2) Do not write anything on the **blank portion of the question paper**. Rough work should not be done on the Answer Sheets or anywhere on the Question Paper except the specific space provided for the rough work. 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 section B.

2. Long Answer Questions (Solve any 1 Out of 2) :- [1 × 10 = 10]

- a) Draw a neat labeled diagram of kidney, describe anterior & posterior relations and applied anatomy
- b) Describe stomach, gross structure, relations & applied anatomy.

3. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 5 = 15]

- a) Biceps brachi muscle.
- b) Structure of skin.
- c) Classification of bones with example.
- d) Anatomical Position of Thyroid gland.

4. Short Answer Questions (Solve any 3 Out of 4) [3 × 2 = 6]

- a) Factors necessary for erythropoiesis
- b) Heart sounds
- c) Describe the phases of gastric secretion
- d) Antidiuretic hormone

First Semester B.Sc. Nursing (2021) Examination, Winter - 2022

APPLIED SOCIOLOGY & APPLIED PSYCHOLOGY

Total Duration : Section A+B = 3 Hours

Section B Marks : 62

SECTION - B

- Instructions :**
- 1) Use blue/black ball point pen only.
 - 2) Do not write anything on the **blank portion of the question paper**. Rough work should not be done on the Answer Sheets or anywhere on the Question Paper except the specific space provided for the rough work. 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 section B.

2. **Long Answer Questions (Solve any 1 Out of 2) :-** [1 × 10 = 10]

- a) Define family. Explain the types of family.
- b) What is memory. Explain the techniques to improve Memory.

3. **Short Answer Questions (Solve any 3 Out of 4) :-** [3 × 5 = 15]

- a) What is the role of heredity and environment in shaping our behavior.
- b) Discuss Maslow's theory of self actualization.
- c) Agencies of Socialization
- d) Discuss the characteristics of joint family.

4. **Short Answer Questions (Solve any 3 Out of 4)** [3 × 2 = 6]

- a) Sources of stress
- b) Class.
- c) Meaning of Psychology
- d) Define social control.

5. Long Answer Questions (Solve any 1 Out of 2) :- [1 × 10 = 10]

- a) Define Social Processes. Explain the various forms of social processes.
- b) What is conflict? Explain different types of conflict with examples.

6. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 5 = 15]

- a) Major problems of Urban areas.
- b) Explain any one Theories of personality in detail.
- c) Explain ways and means of achieving women empowerment.
- d) Modernization and industrialization is a key factor for social disorganization.

7. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 2 = 6]

- a) Cultural lag.
- b) Resilience.
- c) What is the meaning of the term Behavior.
- d) List the classification of social groups.



[Total No. of Pages : 3

EEB0000300017552201

Second Semester B.Sc. Nursing Examination, (Phase-III) Winter - 2023
APPLIED BIOCHEMISTRY & APPLIED NUTRITION & DIETETICS

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 63

SECTION - B & SECTION - C

- 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 section B & C.**

SECTION-B

(Applied Biochemistry)

2. Short notes : (any three out of four)

[3×5=15]

- a) Explain Pentose Phosphate Pathway of Glucose oxidation.
- b) Write a note on transamination and deamination reactions in protein metabolism.
- c) Name lipoproteins and mention one functions of each. Add a brief note on atherosclerosis.
- d) Discuss factors regulating blood sugar level.

3. Very Short Notes : (any three out of four):

- a) Draw structure of immunoglobulins.
- b) Write a note on essential fatty acids.
- c) Enumerate types of jaundice.
- d) Give four examples of biologically important peptides.

SECTION-C

(Applied Nutrition & Dietetics)

4. Essay/Situation Type Question : (Any One out of Two) [1×10=10]

- a) Define Balanced Diet? What are the elements of balanced diet? Discuss the role of fibers in balanced diet.
- b) Discuss the nutritional programmes in India. What are the methods of assessing the nutritional status of a child below five years? Explain the role of nurse in nutritional programmes in India.

5. Short Notes: (Any Four out of Five)

[4×5=20]

- a) Food Adulteration Act.
- b) Functions of Carbohydrate.
- c) Discuss the Aims of supplementary nutrition intake under I.C.D.S Scheme.
- d) Explain the Methods of food preservation.
- e) Discuss the factors affecting Basal Metabolic Rate.

6. Very Short Notes: (Any Six out of Seven):

- a) First Class Protein.
- b) Compositions of body fluid.
- c) Deficiency manifestations of water-soluble vitamins.(Any three)
- d) Body Mass Index.
- e) Bomb calorimeter.
- f) List down the clinical features of Marasmus.
- g) Micronutrients.

