



62501

First Basic B.Sc. Nursing Examination, Summer 2014
ANATOMY AND PHYSIOLOGY

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

Section B & C Marks : 60

SECTION – B & SECTION – C

- 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 – B

(30 Marks)

Anatomy

2. Answer the following (any three out of four) :

(3x5=15)

- a) Classification of bones
- b) Deltoid muscle
- c) Blood supply of stomach
- d) Name the chambers of heart and openings in the right atrium

3. Describe the mammary gland under the following headings :

(1x7=7)

- a) Morphology 3
- b) Lymphatic drainage 2
- c) Applied anatomy 2

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4. Describe the hip joint under the following headings : (1x8=8)
- a) Type. 1
 - b) Articular surfaces. 2
 - c) Ligaments. 2
 - d) Movements & muscles producing them. 3

SECTION – C

(30 Marks)

Physiology

5. Answer the following (**any three** out of four) : (3x5=15)
- a) Functions of white blood cells.
 - b) Write a note on vital capacity.
 - c) Functions of placenta.
 - d) Role of skin in temperature regulation.
6. Describe different phases of cardiac cycle with a well labelled diagram. (1x7=7)
7. Describe the composition and functions of gastric juice. (1x8=8)
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First Basic B.Sc. Nursing Examination, Summer 2014
NUTRITION AND BIOCHEMISTRY

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

Section B & C Marks: 60

SECTION – B & SECTION – C

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SECTION – B

(35 Marks)

Nutrition

2. Answer the following (**any four** out of five) : **(4x5=20)**
 - a) Mid day meal programme
 - b) Functions and deficiency of Vitamin C
 - c) Protein energy malnutrition
 - d) Food preservation
 - e) Basal Metabolic Rate.
3. Explain the classification, sources and functions of carbohydrates. **(1x7=7)**
4. Explain the role of nurse in nutritional programmes. **(1x8=8)**

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SECTION – C

(25 Marks)

Biochemistry

5. Answer the following (**any three** out of four) : (3x5=15)

- a) Write any five functions of vitamin C.
- b) Write five factors affecting rate of enzyme catalysed reaction.
- c) Describe the fluid mosaic structure of cell membrane.
- d) Write functional classification of proteins with suitable example for each class.

6. a) Write a note on aerobic glycolysis and its energetics. (1x10=10)

OR

b) Describe the urea cycle. Explain its importance. (1x10=10)

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First Basic B.Sc. Nursing Examination, Summer 2014
NURSING FOUNDATION

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SECTION – B

(30 Marks)

2. Answer the following (**any five** out of six) :

(5×3=15)

- a) List down the ethical principles.
- b) Care of patients unit after discharge.
- c) Barriers of effective communication.
- d) Factors affecting sleep.
- e) Principles of bandaging.
- f) Enlist the different types of enema.

3. Answer the following (**any three** out of four) :

(3×5=15)

- a) Barrier nursing.
- b) Hot applications
- c) Functions of hospital
- d) Nursing as a profession.

SECTION – C

(30 Marks)

4. Answer the following (**any two** out of three) :

(2×15=30)

- a) Define nursing. Discuss the importance of records and reports. Explain the steps of nursing process.
- b) Enlist the methods of oxygen administration. List the Indication of oxygen administration. Discuss the Nurses responsibility in oxygen administration.
- c) List down the methods of medicine administration. Explain the rights of medicine administration. Write the Nurses responsibility in administration of drugs.



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First Basic B.Sc. Nursing Examination, Summer 2014
PSYCHOLOGY

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Section B & C Marks: 60

SECTION – B & SECTION – C

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 - 7) Use a common answerbook for all Sections.

SECTION – B

(30 Marks)

2. Answer the following (**any five** out of six) : **(5×3=15)**
- a) Explain frustration with examples.
 - b) Explain the factors affecting attention, giving 3 examples.
 - c) Explain three advantages of being a member of a group.
 - d) Give three examples to illustrate body-mind relationship.
 - e) Write the characteristics of a mentally healthy person.
 - f) Explain about Forgetting.
3. Answer the following (**any three** out of four) : **(3×5=15)**
- a) Explain the General adaptation syndrome by Hans Seyle with one example.
 - b) Explain the Maslows hierarchy of needs.
 - c) Explain the psychological needs of adolescents.
 - d) Define perception. Explain the difference between illusion and hallucination.

SECTION – C

(30 Marks)

4. Answer the following (**any two** out of three) : **(2×15=30)**
- a) Define memory.
 - i) Define learning.
 - ii) Explain the steps of learning process.
 - iii) Explain the factors that contribute to effective learning.
 - b) Explain the factors that affect memory.
 - c) Discuss various methods to improve memory.

First Basic B.Sc. Nursing Examination, Summer 2014
MICROBIOLOGY

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SECTION – B

(30 Marks)

2. Answer the following (**any five** out of six) : **(5x3=15)**
 - a) Write a short note on bacterial growth curve.
 - b) Describe the procedure of Grams Staining.
 - c) Write a short note on Bacillary dysentery.
 - d) Write a short note on IgM.
 - e) Mention the contribution of Louis Pasteur.
 - f) Describe Bacterial Cell Wall.
3. Answer the following (**any three** out of four) : **(3x5=15)**
 - a) Write contributions of Robert Koch.
 - b) Describe laboratory diagnosis of Tuberculosis.
 - c) Describe physical method of sterilization with respect to Dry and Moist Heat.
 - d) Write a note on Nosocomial Infection.

SECTION – C

(30 Marks)

4. Answer the following (**any two** out of three) : **(2x15=30)**
 - a) Define Culture Media and Describe different types of culture media with example.
 - b) What is Immunity ? Explain different types of immunity.
 - c) What is Infection ? What is infection Control ? Explain the role of Nurses in infection control.