



**First Basic B.Sc. Nursing Examination, Winter 2017**  
**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 question (**any six** out of seven) : (6×5=30)
  - a) Secondary cartilaginous joint.
  - b) Stomach bed.
  - c) Popliteal fossa.
  - d) Bronchopulmonary segments.
  - e) Supports of uterus.
  - f) Sternocleidomastoid muscle.
  - g) Muscles of mastication.
2. Long answer question (**any one** out of two) : (1×12=12)
  - a) Describe shoulder joint under the following headings :
    - i) Type and articular surfaces (2)
    - ii) Ligaments (3)
    - iii) Movements and muscles producing movements (4)
    - iv) Applied anatomy (3)



- b) Describe parotid gland under the following headings :
- i) Gross structure and relations (3)
  - ii) Blood supply (3)
  - iii) Nerve supply (3)
  - iv) Applied Anatomy (3)

**SECTION – B (33 Marks)**

**(Physiology)**

3. Short answer question (**any four** out of five) : (4×5=20)
- a) Functions of Bile.
  - b) Mechanisms of Blood Pressure regulation.
  - c) Spermatogenesis.
  - d) Functions of Skin.
  - e) Define Diabetes Mellitus and explain Physiological actions of Insulin Hormone.
4. Long answer question. (1×13=13)
- a) Describe the process of Blood Coagulation. Write a note on bleeding time and clotting time. 6
  - b) Describe the Neural regulation of Respiration. 7

OR

Long answer question :

- c) Define GFR. What are the factors regulating GFR ? 6
  - d) Define and classify immunity. Write a note on role of B Lymphocytes in immunity. 7
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62502

**First Basic B.Sc. Nursing Examination, Winter 2017**  
**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 answer book for **all** Sections.

**SECTION – A (45 Marks)**

**Nutrition**

1. Short answer question (**any five** out of six) : (5×5=25)
  - a) Integrated Child Development Scheme.(ICDS).
  - b) Classification of fats.
  - c) Discuss principles of cooking.
  - d) Factors affecting iron absorption.
  - e) Weaning.
  - f) National Iodine Deficiency Disorder Programme.
  
2. Long answer question (**any two** out of three) : (2×5=10)
  - a) Define malnutrition. Describe the clinical features of severe protein energy malnutrition.
  - b) Describe the Classification and functions of fats.
  - c) Write classification of vitamins, functions and deficiency of vitamin C.

P.T.O.



3. Short answer questions (**any two** out of three) :

(2×5=10)

- a) Food adulteration and its prevention.
- b) Therapeutic diet for a patient with hypertension.
- c) Dietary management of patient with dehydration.

**SECTION – B (30 marks)**

**Biochemistry**

4. Short answer question (**any four** out of five) :

(4×5=20)

- a) Structure and functions of Mitochondria.
- b) Functions and deficiency manifestations of Vitamin A.
- c) Transamination reactions.
- d) Classification of Enzymes with suitable examples.
- e) Functions of Iron.

5. Long answer question (**any one** out of two) :

(1×10=10)

- a) Describe regulation of Blood Sugar levels.
  - b) Describe steps in beta oxidation of fatty acids.
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62503

**First Basic B.Sc. Nursing Examination, Winter 2017  
NURSING FOUNDATION**

Total Duration : Section A + B = 3 Hours

Total Marks : 75

**SECTION – A and SECTION – B**

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  - 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) Admission procedure.
  - c) Communication skills.
  - d) Levels of critical thinking in Nursing.
  - e) Importance of Reports.
  - f) Maslow's hierarchy of Needs.
  
2. Long answer question (**any one** out of two) : **(1×15=15)**
  - a) Define Blood Pressure. Write factors affecting blood pressure and assessment of blood pressure.
  - b) Discuss Peplau's theory and its implication to nursing.

P.T.O.



## SECTION – B (35 Marks)

3. Short answer question (**any four** out of five) : (4×5=20)
- a) Role of nurse in providing safe environment.
  - b) Factors affecting sleep.
  - c) Body mechanics.
  - d) Measuring fluid intake and output.
  - e) Stages of grieving and Nursing implication.
4. Long answer question (**any one** out of two) : (1×15=15)
- a) Explain Health history taking Methods of Physical Examination and assessment of cardiovascular system.
  - b) Explain composition and characteristics of urine. Factors influencing Urination and Condom drainage.
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62504

**First Basic B.SC. Nursing Examination, Winter 2017**  
**PSYCHOLOGY**

Total Duration: Section A+B = 3 Hours

Total Marks : 75

**SECTION – A & SECTION – B**

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- 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 **whenever** 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) Projective Tests in Psychology.
  - b) Nurse-Patient Relationship.
  - c) Factors affecting Learning.
  - d) Characteristics of Mentally Healthy Person.
  - e) Explain concepts of Id, Ego and Super-ego with examples.
  - f) Clinical Method in Psychology.
  
2. Long answer question (**any one** out of two) : **(1×15=15)**
  - a)
    - i) Explain any five Mental Mechanisms. **5**
    - ii) Write the advantages of mental mechanisms. **5**
    - iii) Importance of psychology for nurses. **5**
  
  - b)
    - i) What do you mean by individual differences ? **2**
    - ii) What are the types of individual differences ? **3**
    - iii) Write the significance of understanding individual differences in patient care for nurses. **7**
    - iv) Explain introvert type of personality. **3**

P.T.O.



## SECTION – B

(35 Marks)

3. Short answer question (any four out of five) :

(4×5=20)

- a) Explain the external changes that occurs during emotional reactions.
- b) Define Hallucination and its types.
- c) Discuss various methods to improve memory.
- d) Enumerate development of Attributes. How does the study of Attributes help the nurse in patient care ?
- e) Write the causes of Mental Retardation.

4. Long answer question (any one out of two) :

(1×15=15)

- a)
  - i) Define Psychology. 2
  - ii) Explain the Observational method. 5
  - iii) Explain how the study of psychology is important for student nurse. 8
- b)
  - i) What is meant by self-Actualization ? 2
  - ii) Write the phases of counselling. 5
  - iii) Write the psychological needs of an infant. 5
  - iv) Write a note on Stress Adaptation. 3

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62505

**First Basic B.Sc. Nursing Examination, Winter 2017  
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) Koch's Postulates.
  - b) Write down the principle and application of agglutination reaction.
  - c) Write in short about autoclave.
  - d) Draw well labelled diagram of embryonated egg. Mention the various sites of inoculation of viral specimens with examples.
  - e) Write down the differences between amoebic and bacillary dysentery.
  - f) Universal safety precautions.
  
2. Long answer question (**any one** out of two) : **(1×15=15)**
  - a) Write pathogenesis and laboratory diagnosis of enteric fever.
  - b) Write in detail about Hospital waste management.

P.T.O.



## SECTION – B (35 Marks)

3. Short answer question (**any four** out of five) : **(4×5=20)**
- a) Write down the differences between oral and killed polio vaccine.
  - b) What are the various modes of transmission of infections ?
  - c) Write down the morphological classification of fungi with examples.
  - d) Bacterial growth curve.
  - e) Write the life cycle of *Pl. vivax*.
4. Long answer question (**any one** out of two) : **(1×15=15)**
- a) Draw well labelled diagram of HIV virus. Write modes of Transmission of AIDS. Write in detail pathogenesis and laboratory diagnosis of AIDS.
  - b) Enumerate the organisms causing urinary tract infection. Write down the laboratory diagnosis of UTI.
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