



62501

**First Basic B.Sc. Nursing Examination, Winter 2018  
ANATOMY AND PHYSIOLOGY**

Total Duration : Section A + B = 3 Hours

Total Marks : 75

**SECTION – A and 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)**

1. Short answer question (**any six** out of seven) : **(6×5=30)**
  - a) Blood supply of long bone.
  - b) Sternocleidomastoid muscle.
  - c) Boundaries and contents of Popliteal fossa.
  - d) Bronchopulmonary segments.
  - e) Porta hepatis.
  - f) Structure of uterus.
  - g) Stomach bed.
  
2. Long answer question (**any one** out of two) : **(1×12=12)**
  - a) Describe shoulder joint under following heads :
    - i) Type and Articular surfaces. **3**
    - ii) Ligaments. **3**
    - iii) Movements and muscles producing movements. **3**
    - iv) Applied Anatomy. **3**
  
  - b) Describe the parotid gland under the following heads :
    - i) Gross structure and relations. **4**
    - ii) Blood supply. **3**
    - iii) Nerve supply. **3**
    - iv) Applied Anatomy. **2**

P.T.O.



## SECTION – B (33 Marks)

3. Short answer question. (**any four** out of five) : (4×5=20)
- a) Write a note on structure and functions of Neuron. Draw a neat labelled diagram of Neuron.
  - b) Note on Glomerular filtration rate.
  - c) Note on Rh blood grouping.
  - d) Give Functions of Placenta.
  - e) Note on Sarcomere.
4. Long answer question : (1×13=13)
- a) Describe composition and functions of blood. Add a note on Anaemia. 6
  - b) Enumerate functions of gastric juice. Describe phases of gastric secretion. 7
- OR
- Long answer question : (1×13=13)
- c) Write a note on conduction system of heart. Explain with the help of a neat diagram. 6
  - d) What is Blood Pressure ? Enumerate the factors affecting blood pressure. Add a note on Baroreceptor mechanism of blood pressure regulation. 7
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62502

**First Basic B.Sc. Nursing Examination, Winter 2018**  
**NUTRITION AND BIOCHEMISTRY**

Total Duration: Section A+B = 3 Hours

Total Marks : 75

**SECTION – A and 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) Functions and absorption of fats.
  - b) Principles of serving food.
  - c) Body Mass Index.
  - d) Kwashiorkor.
  - e) Fluid Diet.
  - f) Over hydration.
  
2. Long answer questions (**any two** out of three) : **(2×5=10)**
  - a) Vitamin 'A' deficiency program.
  - b) Write in brief about Energy.
  - c) Importance of protein in children.

P.T.O.





3. Short answer questions (**any two** out of three) : (2×5=10)
- a) Functions and deficiencies of Vitamin 'C'.
  - b) Role of nurse in nutrition education.
  - c) Digestion, absorption, storage and metabolism of carbohydrates.

**SECTION – B (30 marks)**  
**(Biochemistry)**

4. Short answer questions (**any four** out of five) : (4×5=20)
- a) Structure and functions of Cell Membrane.
  - b) Functions and deficiency manifestations of Vitamin D.
  - c) Role of buffers in maintaining acid base balance.
  - d) Functions of cholesterol.
  - e) Competitive inhibition of enzymes.
5. Long answer questions (**any one** out of two) : (1×10=10)
- a) Describe Pentose Phosphate Pathway of Glucose oxidation. What is its Significance ?
  - b) Describe steps of Urea cycle.
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**First Basic B.Sc. Nursing Examination, Winter 2018**  
**NURSING FOUNDATION**

Total Duration : Section A + B = 3 Hours

Total Marks : 75

**SECTION – A & 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) Roles and functions of a Nurse.
  - c) Factors affecting Body temperature.
  - d) Methods of Physical Examination.
  - e) Principles of Body mechanics.
  - f) Comfort devices.
  
2. Long answer question (any one out of two) : (1×15=15)
  - a) i) Enumerate types of Asepsis. 2
  - ii) Explain Hospital acquired infection. 4
  - iii) Discuss role of Nurse in infection control of hospital. 9
  - b) i) Purposes of Drug administration. 2
  - ii) Explain principles of administration of medication. 4
  - iii) Discuss roles and responsibilities of a Nurse during administration of medication. 9



## SECTION – B (35 Marks)

3. Short answer question (any four out of five) : (4×5=20)
- a) Chest physiotherapy.
  - b) Principles of bandaging.
  - c) Methods of health assessment.
  - d) Principles of Ryles tube feeding.
  - e) Care of rubber goods.
4. Long answer question (any one out of two) : (1×15=15)
- a) Write responsibilities of nurse in admission process. (5)
    - Brief importance of records and reporting. (5)
    - Describe barriers of effective communication (5)
  - b) Describe various factors influencing health. (5)
    - Brief about health belief model. (5)
    - Write impact of illness on patient and family. (5)
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62504

**First Basic B.Sc. Nursing Examination, Winter 2018  
PSYCHOLOGY**

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**.
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  - 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) What are the characteristics of Emotion ?
  - c) Explain Conflict Resolution
  - d) What is Hereditary and Environment ?
  - e) What are anxiety disorders ?
  - f) Explain Memory Training.
  
2. Long answer question (**any one** out of two) : **(1×15=15)**
  - a)
    - i) Define Perception. **2**
    - ii) Enlist the 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**

P.T.O.



## SECTION – B (35 Marks)

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

(4×5=20)

- a) Explain Maslow's Theory.
- b) Explain how to develop listening skill.
- c) Explain Mental age and IQ.
- d) Enlist and explain 2 Branches of Psychology.
- e) Explain the type theories of Personality.

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

(1×15=15)

- a) i) Define Attitude.
- ii) Explain Factors affecting Attitude.
- iii) Explain Relevance of Attitude to Nurses.
- b) i) Define Stress and Stressor.
- ii) Explain the cycle of stress.
- iii) Explain its effect on health.

2  
5  
8  
5  
5  
5

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62505

**First Basic B.Sc. Nursing Examination, Winter 2018**  
**MICROBIOLOGY**

Total Duration : Section A+B = 3 Hours

Total Marks : 75

**SECTION – A & 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) Life cycle of malaria parasite.
  - b) Write a short answer on modes of transmission of Infection.
  - c) Oral polio vaccine.
  - d) Laboratory diagnosis of Syphilis.
  - e) Write short answer on Candidiasis.
  - f) Describe Gram's Staining procedure.
  
2. Long answer question (any one out of two) : (1×15=15)
  - a) Write morphology, cultural characteristics, pathogenicity and laboratory diagnosis of Mycobacterium tuberculosis.
  - b) Define Sterilization. Enlist different methods of sterilization. Write in detail about autoclave.

P.T.O.



## SECTION – B (35 Marks)

3. Short answer question (any four out of five) : (4×5=20)
- a) Bacterial growth curve.
  - b) Classify culture media with example.
  - c) Differentiate between Gram Positive and Gram Negative Bacteria.
  - d) Write a short answer on universal safety precautions.
  - e) Write a short answer on laboratory diagnosis of Typhoid.
4. Long answer question (any one out of two) : (1×15=15)
- a) Enlist organisms causing diarrhea. Write in detail about pathogenesis and laboratory diagnosis of cholera.
  - b) What is infection ? Define Nosocomial infection. Enlist organisms causing nosocomial infection. Describe in detail role of Hospital Infection Control Nurse (HICN).
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