



62501

**First Basic B.Sc. Nursing Examination, Winter 2016
ANATOMY AND PHYSIOLOGY**

Total Duration: Section A+B = 3 Hours

Total Marks : 75

- 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** section.

SECTION – "A" (42 Marks)

(Anatomy)

1. Short answer question (any six out of seven) : (6x5=30)
 - a) Endoplasmic reticulum.
 - b) Biceps brachii muscle.
 - c) Popliteal fossa.
 - d) Define mediastinum. Mention its division and enumerate contents of superior mediastinum.
 - e) Draw neat labelled diagram of posterior relations of right kidney.
 - f) Structure and functions of skin.
 - g) Fibromuscular or mechanical supports of the uterus.

2. Long answer question (any one out of two) : (1x12=12)
 - a) Describe pancreas under following heads :
 - i) Relations (7)
 - ii) Blood supply (3)
 - iii) Applied anatomy. (2)

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b) Describe bones under following heads:

- i) Classification (7)
- ii) Blood supply (3)
- iii) Applied anatomy. (2)

SECTION – "B" (33 Marks)

(Physiology)

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

(4x5=20)

- a) Role of Skin in Temperature regulation.
- b) Composition and Functions of Saliva.
- c) Ovulation.
- d) Functions of cerebellum.
- e) Functions of Stomach.

4. Long answer question :

(1x13=13)

- a) Define Haemostasis and write the functions of Platelets. 6
- b) Enumerate the steps in Haemostasis. Describe the intrinsic pathway of Haemostasis. 7

OR

Long answer question :

(1x13=13)

- c) Define GFR. Explain the factors affecting GFR. 6
 - d) Explain briefly the counter current multiplier mechanism of Kidney. 7
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**First Basic B.Sc. (Nursing) Examination, Winter 2016
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 question (**any five** out of six) : **(5×5=25)**
 - a) Functional classification of proteins and write functions of proteins.
 - b) Factors affecting food and nutrition.
 - c) Principles and methods of cooking.
 - d) Mid-day meal programme.
 - e) Digestion of fat.
 - f) Role of Nurse in Nutrition education.

2. Long answer question (**any two** out of three) : **(2×5=10)**
 - a) Explain balance diet its important.
 - b) State importance of vitamins in diet.
 - c) Prepare a menu plan for diabetic patient.

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

(2×5=10)

- a) Food Adulteration Act.
- b) Protein energy malnutrition.
- c) Electrolyte imbalances and its effect.

SECTION – B (30 Marks)
(Biochemistry)

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

(4×5=20)

- a) Describe Urea cycle.
- b) Write any four factors affecting enzyme activity.
- c) Diagrammatic representation of immunoglobulins and state functions of IgG and IgM.
- d) Enumerate various transport mechanisms. Add note on active transport.
- e) Write five biochemical functions of calcium.

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

(1×10=10)

- a) Describe aerobic and anaerobic glycolysis with its energetics.
 - b) Describe beta-oxidation of palmitic acids with its energetics.
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62503

**First Basic B.Sc. Nursing Examination, Winter 2016
NURSING FOUNDATION**

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION – A and SECTION – B

- Instructions :**
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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 answer book for **all** Sections.

SECTION – "A" (40 Marks)

1. Short answer question (any five out of six) : (5×5=25)
 - a) Characteristics of profession.
 - b) Hazards associated with immobility.
 - c) Methods of Physical Examination.
 - d) Care of terminally ill client.
 - e) Factors affecting pain and pain assessment.
 - f) Stages of Grieving process.

2. Long answer question (any one out of two) : (1×15=15)
 - a) Define communication and explain the process of communication. Discuss the barriers to effective communication. Discuss role of nurse in maintaining effective communication with patient.
 - b) Explain the steps of nursing process. Discuss the sources of data in assessment phase. Discuss the skills required by a nurse in implementation phase.

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**SECTION – "B" (35 Marks)**

3. Short answer question (**any four** out of five) : **(4×5=20)**
- a) Types and functions of hospital.
 - b) Purposes of recording and reporting.
 - c) Maslow's hierarchy of needs.
 - d) Factors influencing health.
 - e) Effects of drug on body.
4. Long answer question (**any one** out of two) : **(1×15=15)**
- a) Discuss different factors affecting rest and sleep. Discuss role of nurse in providing safe and clean environment to the patient.
 - b) Define the term nosocomial infection and explain the chain of infection transmission. Discuss in detail the role of nurse in infection control.
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First Basic B.Sc. Nursing Examination, Winter 2016
PSYCHOLOGY

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.
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 - 7) **Use a common answer book for all Sections.**

SECTION – A

(40 Marks)

1. Short answer question (**any five** out of six) :

(5×5=25)

- a) Importance of psychology in nursing.
- b) Explain Psycho-analytical theory given by Sigmund Freud.
- c) Enlist Projective Tests and explain Rorchachs Ink Blot Test.
- d) Write the factors that influence the development of personality.
- e) Make a list of Mental Mechanisms and explain any two with examples.
- f) Explain Nurse - Patient Relationship.

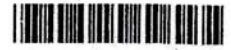
2. Long answer question (**any one** out of two) :

(1×15=15)

- a)
 - i) Define Learning. **(2)**
 - ii) Explain three major laws of learning. **(5)**
 - iii) Explain theory of trail and error with experiment/ example. **(8)**
- b)
 - i) Define Psychology. **(2)**
 - ii) Explain Observational method of psychology. **(5)**
 - iii) Explain psycho-sexual stages according to Sigmund Freud. **(8)**

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SECTION – B

(35 Marks)

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

(4×5=20)

- a) Explain self actualization.
- b) Influence of culture to shape the personality.
- c) Mental Hygiene.
- d) Causes of Mental Retardation.
- e) Psychological problems of women.

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

(1×15=15)

- a)
 - i) Define motivation. (2)
 - ii) Write the types of motives, (5)
 - iii) Explain the Maslow's theory of Hierarchy of Needs. (8)
- b)
 - i) Define emotion. (2)
 - ii) Explain the internal (physiological) changes in emotion. (5)
 - iii) Write the role of nurse in control of emotions in self and patient. (8)

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**First Basic B.Sc. Nursing Examination, Winter 2016
MICROBIOLOGY**

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**.
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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 section.**

SECTION – A (40 Marks)

1. Short answer question (**any five** out of six) : **(5×5=25)**
 - a) Bio-medical Waste management.
 - b) Anaerobic culture methods.
 - c) Blood culture.
 - d) Define antibody and explain in detail about IgM antibody.
 - e) Bacterial spore.
 - f) Enlist Koch's Postulates.

2. Long answer question (**any one** out of two) : **(1×15=15)**
 - a) What are nosocomial infections ? What are the common causes of nosocomial infections ? What is the role of nurse in controlling nosocomial infections ?
 - b) Describe Growth curve of Bacteria with a labelled diagram. What is the effect of temperature, moisture and presence of oxygen on the growth of bacteria ?



SECTION – B (35 Marks)

3. Short answer question (**any four** out of five) : (4×5=20)
- Describe pathogenicity of Salmonella.
 - Highlight the importance of sample collection in Microbiology.
 - What are the different parts of a microscope and how you will take care of the microscope ?
 - List 4 DNA viruses and 4 RNA viruses.
 - Laboratory diagnosis of pulmonary tuberculosis.
4. Long answer question (**any one** out of two) : (1×15=15)
- What is disinfection ? Describe various chemical methods of Disinfection.
 - Draw a neat and well labelled diagram of bacterial cell. Describe in detail about different organelles of bacteria.
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