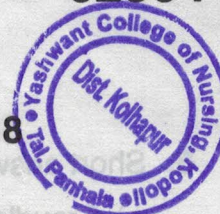




62504



First Basic B.Sc. Nursing Examination, Summer 2018
PSYCHOLOGY

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 (40 Marks)

1. Short answer question (**any five** out of six) : **(5×5=25)**
 - a) Characteristics of mentally healthy person.
 - b) Types of Attention.
 - c) Principles of Perception.
 - d) Laws of learning.
 - e) Study habits.
 - f) Enlist factors influencing Memory.
2. Long answer question (**any one** out of two) : **(1×15=15)**
 - a) Define Psychology and explain its scope with reference to Nursing.
 - b) Define Attitude. Explain its functions and discuss the development of Attitude.

P.T.O.



SECTION – B (35 Marks)

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

(4×5=20)

- a) Freud's topographic structure of Mind.
- b) Degrees of Mental Retardation.
- c) Defence Mechanism.
- d) Classical conditioning.
- e) Primary Motives.

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

(1×15=15)

- a) Define personality, enlist its theories and explain any one theory.
- b) What is conflict, write its types. Explain classification of conflicts according to goals.

SECTION – A (40 Marks)

(5×5=25)

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

- a) Characteristics of mentally healthy person.
- b) Types of Attention.
- c) Principles of Perception.
- d) Laws of learning.
- e) Study habits.
- f) Enlist factors influencing Memory.

(1×15=15)

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

- a) Define Psychology and explain its scope with reference to Nursing.
- b) Define Attitude. Explain its functions and discuss the development of Attitude.

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)

- Write a note on structure and functions of Neuron. Draw a neat labelled diagram of Neuron.
- Note on Glomerular filtration rate.
- Note on Rh blood grouping.
- Give Functions of Placenta.
- Note on Sarcomere.

4. Long answer question : (1×13=13)

- Describe composition and functions of blood. Add a note on Anaemia. 6
- Enumerate functions of gastric juice. Describe phases of gastric secretion. 7

OR

Long answer question : (1×13=13)

- Write a note on conduction system of heart. Explain with the help of a neat diagram. 6
- What is Blood Pressure ? Enumerate the factors affecting blood pressure. Add a note on Baroreceptor mechanism of blood pressure regulation. 7

First Basic B.Sc. Nursing Examination, Summer 2018
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.
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 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full** marks.
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 - 7) **Use** a common answerbook for **all** sections.

SECTION – A (42 Marks)

(Anatomy)

Stomach

1. Short answer question (**any six** out of seven) : **(6×5=30)**
 - a) Lymphatic drainage of mammary gland. ✓
 - b) Bronchopulmonary segments. ✓
 - c) Boundaries and contents of femoral triangle. ✓
 - d) Constituents of the spermatic cord. ✓
 - e) Relations of urinary bladder in male. ✓
 - f) Sternocleidomastoid muscle. ✓
 - g) Sulci and gyri on superolateral surface of cerebrum. ✓
2. Long answer question (**any one** out of two) : **(1×12=12)**
 - a) Describe synovial joint under following heads :
 - i) Definition ✓ **2**
 - ii) Characteristics **2**
 - iii) Classification with example ✓ **6**
 - iv) Applied anatomy ✓ **2**



- b) Describe the stomach under following heads: _____
- i) External features and relations _____ 3
 - ii) Blood supply _____ 3
 - iii) Lymphatic Drainage _____ 3
 - iv) Applied Anatomy _____ 3

SECTION – B (33 Marks)

(Physiology)

3. Short answer question (**any four** out of five) : ¹⁷⁵ (4×5=20)
- a) Enumerate the properties of Skeletal muscle and describe any one in detail.
 - b) Compare and contrast between cortical and juxtaglomerular nephron.
 - c) Classify nerve fibers on the basis of conduction velocity and add a note on saltatory conduction.
 - d) Draw a well labelled diagram of ECG in lead II and give the normal values of all the intervals.
 - e) Describe the functions of hypothalamus.

4. Long answer question : (1×13=13)
- a) Define synapse, classify it and enumerate its properties. 6
 - b) Describe the mechanism of synaptic transmission. 7

OR

- Long answer question : (1×13=13)
- c) What is the physiological basis of Blood group ? Name the various Blood groups ¹³⁷ 6
 - d) What are the hazards of Blood transfusion ? ¹⁴⁴ 7



62501

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) : Parotid gland (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. ✓ 127 6
- b) Describe the Neural regulation of Respiration. ✓ 133 7

OR

Long answer question :

- a) Define GFR. What are the factors regulating GFR ? 6
- d) Define and classify immunity. Write a note on role of B Lymphocytes in immunity. ✓ 104 7

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First Basic B.Sc. Nursing Examination, Summer 2017
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** Sections.

SECTION – A

(Anatomy)

(42 Marks)

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

kidney

(6×5=30)

- a) Boundaries and contents of axilla.
- b) Interior of the right atrium.
- c) Sartorius muscle.
- d) Primary supports of uterus.
- e) Differences between the small intestine and large intestine.
- f) Nerve supply of tongue.
- g) Morphological and functional divisions of cerebellum.

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

(1×12=12)

a) Describe rectus sheath under following heads:

- i) Definition and Features
- ii) Formation
- iii) Contents
- iv) Function and Applied anatomy.

3
3
3
3



b) Describe left kidney under following heads :

- | | |
|-------------------------|---|
| i) Anterior relations | 3 |
| ii) Posterior relations | 3 |
| iii) Arterial supply | 2 |
| iv) Venous drainage | 2 |
| v) Applied anatomy | 2 |

SECTION - B

(Physiology)

(33 Marks)

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

(4×5=20)

- ~~a) Rh incompatibility.~~ 14
- ~~b) Puberty.~~
- c) Composition and Functions of Cerebrospinal Fluid (CSF).
- ~~d) Actions of Thyroid hormone. Add a note on Hyperthyroidism.~~
- ~~e) Explain the mechanism of muscle contraction.~~

4. Long answer question :

(1×13=13)

- ~~a) Describe the structure, synthesis and functions of Haemoglobin. Add a note on Anaemia.~~ 76 86
- b) Define Cardiac Output. Explain the factors regulating Cardiac Output.

6

7

OR

Long answer question :

(1×13=13)

- ~~c) Describe the Composition and Functions of Pancreatic juice.~~
- d) Describe transport of Oxygen from lungs to the tissues. Draw a neat labelled diagram of Oxygen-Haemoglobin dissociation curve.

6

7

Cervical - 7 Thoracic - 12, Lumbar - 5
Sacral - 5, Coccyx - 4



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.**
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 - 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

62501



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. ✓ 225

c) Ovulation.

d) Functions of cerebellum.

e) Functions of Stomach. ✓ 233

4. Long answer question:

(1x13=13)

a) Define Haemostasis and write the functions of Platelets. ✓ 122

6

b) Enumerate the steps in Haemostasis. Describe the intrinsic pathway of Haemostasis. ✓ 125

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



62503

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

Total Duration : Section A + B = 3 Hours

Total Marks : 75

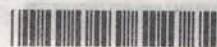
SECTION – A and SECTION – B

- Instructions :**
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 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
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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) 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.

P.T.O.



SECTION – "B" (35 Marks)

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

(4×5=20)

- Types and functions of hospital.
- Purposes of recording and reporting.
- Maslow's hierarchy of needs.
- Factors influencing health.
- Effects of drug on body.

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

(1×15=15)

- Discuss different factors affecting rest and sleep. Discuss role of nurse in providing safe and clean environment to the patient.
- Define the term nosocomial infection and explain the chain of infection transmission. Discuss in detail the role of nurse in infection control.



62503

First Basic B.Sc. Nursing Examination, Summer 2016
NURSING FOUNDATION

Total Duration: Section A+B = 3 Hours

Total Marks :75

SECTION – A & SECTION – B

- Instructions:**
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 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
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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) Nursing measures to ensure rest and sleep in illness.
- b) Qualities of a Nurse.
- c) Care of dying patient.
- d) Types of comfort devices.
- e) Asepsis.
- f) Routes of drug administration.

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

(1×15=15)

- a) Describe causes of bed sore. Name the pressure points. How will you prevent bed sore in a bed ridden client ?
- b) Describe the common problems of mouth cavity. Name the dentifrices used in mouth care. Nursing responsibilities during mouth care of unconscious client.

P.T.O.



SECTION – B

(35 Marks)

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

(4×5=20)

- a) Nursing as a profession.
- b) Types of records.
- c) Hospice Care.
- d) Care of rubber goods
- e) Indication of Nasogastric tube feeding.

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

(1×15=15)

- a) Define nursing process. List down any 5 Nursing Diagnosis. Write down the steps of Nursing Process.
 - b) Define Communication. Types of Communication. Barriers of Communication.
-

4 copies



62503

22

First Basic B.Sc. Nursing Examination, Summer 2015
NURSING FOUNDATION

Total Duration : Section A+B = 3 Hours

Total Marks : 75

SECTION – A & SECTION – B

- Instructions :**
- 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.
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 - 7) **Use a common answerbook for all Sections.**

SECTION – A

(40 Marks)

(5x5=25)

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

- a) Concept of Health : Health illness continuum. **unit I**
- b) Health care team **Unit I**
- c) Nursing as a profession. **unit II**
- d) Consumer rights. **Unit II**
- e) Assessment of respirations. **unit VII**
- f) Maslow's hierarchy of needs. **unit X**

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

(1x15=15)

- a) Discuss meaning of communication, levels, types, modes and methods of effective communication. **unit IV**
- b) Describe the patients unit. How will you prepare the unit to receive an admission. Write the scientific principles of bed making. **unit III**

P.T.O.



62503



SECTION - B

(35 Marks)

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

(4x5=20)

- a) Types of fever. VI VII
- b) Hot water bag application. unit X
- c) Care of the unit after discharge. VI VII
- d) Role of nurse in providing safe and clean environment. IX
- e) Medical asepsis and surgical asepsis. VI XI

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

(1x15=15)

- a) Discuss principles of body mechanics, importance of maintaining normal body alignment and mobility, hazards associated with immobility.
- b) Discuss grief and grieving process, signs of clinical death and care of dying patient.

XVI



20

62503

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

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 common answer book for all Sections.**

SECTION - B

(30 Marks)

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

(5×3=15)

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

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

(3×5=15)

- a) Barrier nursing. **XI**
- b) Hot applications **V**
- c) Functions of hospital **I**
- d) Nursing as a profession. **II**

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. **VI**
- b) Enlist the methods of oxygen administration. List the Indication of oxygen administration. Discuss the Nurses responsibility in oxygen administration. **X**
- c) List down the methods of medicine administration. Explain the rights of medicine administration. Write the Nurses responsibility in administration of drugs. **XII**





Total Duration: Section A+B = 3 Hours

Section - A & Section - B

**Instructions:**

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- 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 section.

Section "A" (40 Marks)

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

(5x5=25)

- a) Purposes of recording and reporting VI
- b) Effects of heat application X
- c) Hazards associated with immobility X
- d) Golden rules of bandaging XIII
- e) Standard safety measures
- f) Types of enemas

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

(1x15=15)

Mr. Raju is admitted in medical ward with unconscious state. Answer the following

- a) List different pressure points in different positions. (5) Write preventive measures of pressure sore (5) Write complications of neglected oral hygiene. (5) X
- b) Define nursing process. (2) Enlist steps in nursing process. (5) Prepare nursing care plan with two priority needs for a patient with severe diarrhea and vomiting (8) V

Section "B" (35 Marks)

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

(4x5=20)

- a) Maslow's hierarchy of needs X
- b) Measures to promote rest and sleep X
- c) Factors influencing communication IV
- d) Impact of illness on client I
- e) Care of dying patient XV



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

(1x15=15)

- a) Write qualities of nurse (5) Describe ethical principles in nursing (5) Explain nurse patient relationship. (5)
- b) Write various routes of administration of drug.(5) Enlist factors influencing drug action (3) Explain classification of drug(4) Write principles used in oral medication.(3)



SECTION - B

(35 Marks)

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

(4×5=20)

- a) Classify culture media with example.
- b) Difference between Active and Passive immunity.
- c) Biomedical waste segregation.
- d) Bacterial Flagella.
- e) Define carrier. Explain different types with examples.

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

(1×15=15)

- a) Define Sterilization and Disinfection. Write characteristics of good disinfectant. Describe uses, structure, functioning of Hot air oven.
- b) Enlist organisms causing respiratory tract infection. Write in detail about pathogenesis and laboratory diagnosis of Tuberculosis.



62502

First Basic B.Sc. Nursing Examination, Summer 2018
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) Factors affecting calcium absorption.
 - b) Factors affecting Basal metabolic rate.
 - c) Assessment of nutritional status in children.
 - d) Classification of Carbohydrates.
 - e) Balanced diet.
 - f) Food Adulteration.
2. Long answer question (**any two** out of three) : (2×5=10)
 - a) Role of nurse in nutritional program.
 - b) Malnutrition.
 - c) Functions of Proteins.

P.T.O.



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

(2×5=10)

- Functions of Vitamin D.
- Regulations of water metabolism.
- Methods of Cooking.

SECTION – B (30 Marks)

(Biochemistry)

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

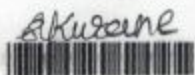
(4×5=20)

- ~~Factors affecting absorption of Calcium.~~ *func of iron.*
- Structure and functions of cell membrane.
- Write a note on transamination and deamination reactions in protein metabolism.
- Functions and deficiency manifestations of Vitamin C.
- Factors regulating blood sugar level.

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

(1×10=10)

- Describe in detail about beta oxidation of fatty acid. Add a note on its energetics.
- Define enzymes. Explain in detail factors affecting enzyme action.



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)

- Functions and deficiencies of Vitamin 'C'.
- Role of nurse in nutrition education.
- Digestion, absorption, storage and metabolism of carbohydrates.

SECTION – B (30 marks)
(Biochemistry)

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

(4×5=20)

- Structure and functions of Cell Membrane.
- Functions and deficiency manifestations of Vitamin D.
- Role of buffers in maintaining acid base balance.
- Functions of cholesterol.
- Competitive inhibition of enzymes.

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

(1×10=10)

- Describe Pentose Phosphate Pathway of Glucose oxidation. What is its Significance ?
- Describe steps of Urea cycle.



62502

First Basic B.Sc. Nursing Examination, Summer 2018
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) Factors affecting calcium absorption.
 - b) Factors affecting Basal metabolic rate.
 - c) Assessment of nutritional status in children.
 - d) Classification of Carbohydrates.
 - e) Balanced diet.
 - f) Food Adulteration. ✓ 25
2. Long answer question (any two out of three) : (2×5=10)
 - a) Role of nurse in nutritional program. _____
 - b) Malnutrition. ✓
 - c) Functions of Proteins. ✓ 115

P.T.O.



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

(2x5=10)

- a) Functions of Vitamin D.
- b) Regulations of water metabolism.
- c) Methods of Cooking.

SECTION – B (30 Marks)
(Biochemistry)

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

(4x5=20)

- a) Factors affecting absorption of Calcium. — *Fun of Fe.*
- b) Structure and functions of cell membrane.
- c) Write a note on transamination and deamination reactions in protein metabolism.
- d) Functions and deficiency manifestations of Vitamin C.
- e) Factors regulating blood sugar level.

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

(1x10=10)

- a) Describe in detail about beta oxidation of fatty acid. Add a note on its energetics.
- b) Define enzymes. Explain in detail factors affecting enzyme action.

24/11/17
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) : (5x5=25)
 - a) Integrated Child Development Scheme (ICDS). 100
 - b) Classification of fats. 100
 - 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) : (2x5=10)
 - a) Define **malnutrition**. Describe the clinical features of severe protein energy malnutrition.
 - b) Describe the Classification and functions of fats. 100, 103
 - c) Write classification of vitamins, functions and deficiency of **vitamin C**.

62502



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

(2×5=10)

- a) Food adulteration and its prevention. 15-76
- 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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