62501

# 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.*

*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) 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**

P.T.O.

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) : (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 6

d) What are the hazards of Blood transfusion ? 7

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# 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)**

P.T.O.

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

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. 6

b) Define Cardiac Output. Explain the factors regulating Cardiac Output. 7

OR

Long answer question : (1×13=13)

c) Describe the Composition and Functions of Pancreatic juice. 6

d) Describe transport of Oxygen from lungs to the tissues. Draw a neat labelled diagram of Oxygen-Haemoglobin dissociation curve 7

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# 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)**

P.T.O.

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, Summer 2016
## 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) Classification of bones according to shape and write it's functions.
   b) Blood supply of heart
   c) Relations and ligaments of spleen
   d) Nerve supply of tongue
   e) Enumerate formation and branches of brachial plexus
   f) Structures under cover of gluteus maximus muscle
   g) Functional areas on superolateral surface of brain.

2. Long answer question (**any one** out of two) : (1×12=12)
   a) Describe the uterus under the following heads :
      i) size, shape, normal position and angulation
      ii) parts of uterus
      iii) supports of uterus
      iv) Applied anatomy.

P.T.O.

b) Describe the left lung under the following heads :
   i) features
   ii) root
   iii) mediastinal surface
   iv) Applied anatomy. (33 Ma

## SECTION – B
## (Physiology)

(4×5

3. Short answer question (**any four** out of five) :
   a) Write a note on sarcomere.
   b) Composition and functions of saliva
   c) Conducting system of heart
   d) Mechanisms for body temperature regulation
   e) Write a note on diabetes mellitus. (1×

4. Long answer question :
   a) Define and classify Anaemia.
   b) Describe process of urine formation. (1

OR

Long answer question :
   c) Enumerate functions of lungs. Add a note on Oxygen-Haemoglobin dissociati curve.
   d) Define Menstrual cycle. Write briefly about phases of menstrual cycle.

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# First BASIC B.Sc. NURSING, Winter 2015

## 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 answer book for **all** sections.

### Section "A" (42 Marks)
### Anatomy

1. Short answer question (**any six** out of seven) : **(6x5=30)**

a) Classification of synovial joints with one example
b) Interior of right atrium
c) Relations of urinary bladder
d) Sternocleidomastoid muscle
e) Blood supply and lymphatic drainage of mammary gland
f) Bronchopulmonary segments
g) Structure and function of skin.

2. Long answer question (**any one** out of two) : **(1x12=12)**

a) Describe the thyroid gland under the following headings:
(i) Morphology & situation, (ii) Relations, (iii) Blood supply, (iv) Clinical anatomy

b) Describe the stomach under the following headings:
(i) Parts & gross anatomy, (ii) Visceral & peritoneal relations, (iii) Lymphatic drainage, (iv) Applied anatomy

### Section "B" (33 Marks)
### Physiology

3. Short answer question (**any four** out of five) : **(4x5=20)**

a) Enumerate hormones secreted by anterior pituitary gland. Write a note on Acromegaly.
b) Functions of Plasma proteins.
c) Draw and describe Neuromuscular junction.
d) Write a short note on ovulation.
e) Define Reflex. Draw a neat labelled diagram of reflex arc.

P.T.O.

4. Long answer question : (1x13=1

a) Enumerate phases of Deglutition. Describe the second phase of deglutition.

b) Describe lung volumes and capacities with the help of a neat labelled diagram.

OR

Long answer question : (1x13=1

c) Classify White blood cells. Write the characteristics and functions of each type.

d) Define Cardiac Output. Explain the factors regulating cardiac output.

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# First Basic B.Sc. Nursing Examination, Summer 2015
## 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.*

*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 (42 Marks)

**Anatomy**

1. Short answer question (**any six** out of seven) : **(6×5=30)**

a) Mitochondria.

b) Deltoid muscle.

c) Femoral Triangle.

d) Define Mediastinum. Mention its division and enumerate the contents of middle mediastinum.

e) Draw neat labelled diagram showing anterior relations of left kidney.

f) Describe nerve supply of tongue.

g) Describe blood supply of thyroid gland.

P.T.O.

2. Long answer question (**any one** out of two) : (1×12=12)

   a) Describe stomach under the following heads :

      a) Gross structure and relations (3)

      b) Blood supply (3)

      c) Lymphatic drainage (3)

      d) Applied Anatomy (3)

   b) Describe synovial joint under following heads :

      a) Structure (3)

      b) Classification (3)

      c) Mechanism of lubrication (3)

      d) Applied Anatomy (3)

SECTION – B (33 Marks)

**Physiology**

3. Short answer questions (**any four** out of five) : (4×5=20)

   a) Functions of Testosterone.

   b) Enumerate the different blood group system. Importance of determination of blood groups.

   c) Different mechanism for regulating body temperature.

   d) Functions of thyroid hormones. Add a note on hypothyroidism.

   e) Cerebrospinal fluid.

4. Long answer question : (1×13=13)

   a) Define and describe the process of blood coagulation. 6

   b) Composition and functions of gastric juice. Write briefly about phases of gastric secretion. 7

OR

Long answer question : (1×13=13)

   c) Describe the process of Oxygen transport from lungs to tissues. 6

   d) Define and draw a diagram of cardiac cycle. Describe the ventricular events in cardiac cycle. 7

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# 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.*

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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 – 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

P.T.O.

# SUMANDEEP VIDYAPEETH

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AT & POST: PIPARIA, TA. WAGHODIA, DIST. VADODARA-391 760, GUJARAT, INDIA

Controller of Examinations

Website : www.sumandeepvidyapeethdu.edu.in
E-mail : coe@sumandeepvidyapeethdu.edu.in


Ref. No/SV/Exam/RAC/6010/05/2018 Date: 05th June, 2018

## EXAMINATION NOTIFICATION

It is hereby notified that RAC for PhD Scholars Mr. Suresh V., Ms. Poonam Gadiya, Ms. Patel Vrutiben Chandrakantbhai, Mr. Siddesh M., Ms. Patel Janki Harshadbhai, Ms. Mahadik Yogita Bhaskar & Ms. Patel Palak is scheduled as per the details mentioned below.

| Date | Time | Subject | Place |
|---|---|---|---|
| 08.06.2018 | 10:00 am | Nursing | Chanakya Hall, University Office, Sumandeep Vidyapeeth |

You are hereby requested to be present in Chanakya Hall, University Office, Sumandeep Vidyapeeth by 10:00 am

Sent for Information & Compliance

5/6/18

Controller of Examinations
Sumandeep vidyapeeth

Sumandeep Vidyapeeth Deemed to be University
PIPARIA, VADODARA.

To,

1) Dr. J. D. Lakhani, Guide, Professor, Dept. of Medicine, SBKSMIRC, SV
2) Dr. Ravindra H.N., Guide, Principal, SNC, SV
3) Dr. Bakul Leuva, Guide, Prof. & Head, Dept. of OBG, SBKSMIRC, SV
4) PhD Co-ordinator, SV
5) Mr. Suresh V., Ph.D. Student
6) Ms. Poonam Gadiya, Ph.D. Student
7) Ms. Patel Vrutiben Chandrakantbhai, Ph.D. Student
8) Mr. Siddesh M. , Ph.D. Student
9) Ms. Patel Janki Harshadbhai, Ph.D. Student
10) Ms. Mahadik Yogita Bhaskar, Ph.D. Student
11) Ms. Patel Palak, Ph.D. Student

Copy for Information to:

1) The Principal, Sumandeep Nursing College, SV

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 2013
## ANATOMY AND PHYSIOLOGY

Total Duration: Section A + B + C = 3 Hours | Section B & C Marks: 60

SECTION – B & SECTION – C

*Instructions:* 1) ***All questions are compulsory.***

2) *The number to the **right** indicates **full** marks.*

3) ***Draw** diagrams wherever **necessary**.*

4) *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.*

SECTION – B

**(Anatomy)**

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

   a) Supports of uterus

   b) Muscles of Gluteal region

   c) T.S of spinal cord

   d) Structure of Ear.

3. Describe the hip joint under the following headings : (1×7=7)

   a) Articular surfaces 1

   b) Ligaments 3

   c) Movements and muscles causing them. 3

4. Describe heart under the following headings: (1×8=8)

   a) Structure of heart 3

   b) Conduction system of heart 3

   c) Blood supply. 2

P.T.O.

## SECTION – C

## (Physiology)

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

   a) Digestion of carbohydrate

   b) Menstrual cycle

   c) Pulmonary circulation

   d) Rh incompatibility.

6. Explain the mechanism of Respiration and the chemical control of respiration. **(1×7=7)**

7. Enumerate the factors involved in blood coagulation and describe the mechanism of clotting. **(1×8=8)**

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# First Basic B.Sc. Nursing Examination, Summer 2012
## ANATOMY AND PHYSIOLOGY

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

Section B & C Marks: 60

SECTION – B & SECTION – C

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

SECTION – B
**(Anatomy)**

2. Answer the following (any three out of four) : (3×5=15)
   a) Uterus
   b) Kidney
   c) Stomach
   d) Differentiate between small intestine and large intestine.
3. Name different types of joint and explain the synovial joint with the help of a diagram. (1×7=7)
4. Draw a labeled diagram and explain the blood supply of the heart. (1×8=8)

SECTION – C
(Physiology)

5. Answer the following (any three out of four) : (3×5=15)
   a) Functions of blood
   b) Functions of liver
   c) Composition and functions of gastric juice
   d) Physiology of hearing.
6. Enumerate the functions of kidneys. Describe in short the process of micturition. (1×7=7)
7. Describe in sequence the events that occur in heart during the cardiac cycle. (1×8=8)

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# First Basic B.Sc. Nursing Examination, Winter 2012
## ANATOMY AND PHYSIOLOGY

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

Section B & C Marks : 60

SECTION – B & SECTION – C

***Instructions :*** *1) **All** questions are **compulsory**.*

*2) The number to the **right** indicates **full** marks.*

*3) **Draw** diagrams wherever **necessary**.*

*4) 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.*

SECTION – B

**(Anatomy)**

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

   a) Classify synovial joints and give one example of each type.

   b) Root of Lung.

   c) Sartorius muscle.

   d) Difference between small and large intestine

3. Long answer question. **(1×7=7)**

   Draw the diagram of Kidney, label the parts and describe the structure of nephron.

4. Long answer question. **(1×8=8)**

   Describe tongue under following headings :

   i) Gross Anatomy **3**

   ii) Muscles and their action **3**

   iii) Nerve supply. **2**

P.T.O

## SECTION – C
## (Physiology)

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

a) Explain the functions of thyroid hormones.

b) Give the compositions of pancreatic juice and its functions.

c) Functions of epithelial tissue.

d) Explain the Portal circulation.

Long Answer : **(1×7=7)**

Describe the structure, synthesis and functions of haemoglobin.

Long Answer : **(1×8=8)**

Define blood pressure, write the normal values in adult. Explain the regulation of blood pressure.

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# First Basic B.Sc. Nursing Examination, May/June 2011
# ANATOMY AND PHYSIOLOGY

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

Section B & C Marks: 60

## SECTION – B & SECTION – C

*Instructions :* *1) All questions are compulsory.*

*2) The number to the right indicates full marks.*

*3) Draw diagrams wherever necessary.*

*4) 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.*

## SECTION – B

### Anatomy

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

a) Boundaries and content of femoral triangle. 5

b) Axillary Lymph nodes. 5

c) Supports of uterus. 5

d) Tympanic membrane. 5

3. Describe the Hip joint under the following :

a) Articular surface. 7

b) Ligaments. 1

c) Movements and muscles participate in movements. 3

4. Describe the Thyroid gland under the following headings :

a) Relations. 2

b) Blood supply. 3

c) Applied anatomy. 2

## SECTION – C

### Physiology

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

   a) Describe the mechanism of skeletal muscle contraction.

   b) Factors affecting blood pressure.

   c) Composition of blood and functions of blood.

   d) Functions of liver.

6. Discuss composition and functions of pancreatic juice. (1×7=7)

7. Discuss the chemical control of respiration. (1×8=8)

62501

# First Basic B.Sc. Nursing Examination, Winter 2011
# ANATOMY AND PHYSIOLOGY

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

Section B & C Marks: 60

## SECTION – B & SECTION – C

*Instructions:* *1) All questions are compulsory.*
*2) The number to the right indicates full marks.*
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## SECTION – B
(Anatomy)

2. Answer the following (any three out of four) (3×5=15)

a) Relations and blood supply of stomach.

b) Sternocleidomastoid muscle.

c) Boundaries and contents of femoral triangle.

d) Right atrium.

Long Answer Question :

3. Describe the urinary bladder under following headings (1×7=7)

a) Relations in male and female urinary bladder 3

b) Ligaments 2

c) Applied anatomy 2

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Long Answer Question : (1×8=8)

4. Describe the brachial plexus under following headings

a) Fomation 3

b) Branches 3

c) Applied anatomy. 2

## SECTION – C
## (Physiology)

(3×5=15)

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

a) Enumerate the functions of thyroid hormone.

b) Give the composition of pancreatic juice and its functions.

c) Discuss the carriage of oxygen in blood.

d) Describe in brief the composition and mention the functions of kidneys.

Long Answer Questions :

6. Describe the structure, synthesis and breakdown of hemoglobin. (1×7=7)

Write the normal values of Hb and mention its derivatives.

7. Describe the female reproductive cycle. What is its hormonal control ? Add a note on Ovulation. (1×8=8)

62501

# First Basic B.Sc. Nursing Examination, Nov./Dec. 2008
## ANATOMY AND PHYSIOLOGY

Total Duration: Section A + B + C = 3 Hours  Section B & C Marks: 60

SECTION – B & SECTION – C

*Instructions: 1) All questions are compulsory.*
*2) The number to the right indicates full marks.*
*3) Draw diagrams wherever necessary.*
*4) 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.*

### SECTION – B
### ANATOMY

Marks : 30

2. Write short answers on any three of the following : (3×5=15)
   a) Features of synovial joint
   b) Deltoid muscle
   c) Broncho-pulmonary segments
   d) Blood supply of superolateral surface of cerebrum.

3. Describe the duodenum under (1×7)
   a) Parts and Course 2
   b) Relations of third part 2
   c) Blood supply 1
   d) Clinical Anatomy. 2

4. Describe the femoral triangle under (1×8)
   a) Boundaries 4
   b) Contents. 4

### SECTION – C
### PHYSIOLOGY

5. Answer the following (any three out of four) : (3×5=15)
   a) Rh-Factor
   b) Creatinism
   c) Conducting tissue of Heart
   d) Ovulation.

LAQ :

6. Describe the events during a cardiac cycle with the help of suitable diagram and discuss the pressure changes in left ventricle during a cardiac cycle. (1×7=7)

LAQ :

7. Enuemerate the blood group systems .
   Discuss the importance of A. B. O system in detail. (1×8=8)