

Rushikesh B. Kaked

[Total No. of Pages : 2

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First Basic B.Sc. Nursing Examination, Summer (Phase - II) 2019
ANATOMY AND PHYSIOLOGY

Total Duration : 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 questions (**any six** out of seven) : [6 × 5 = 30]
- a) Boundaries and contents of femoral triangle.
 - b) Deltoid muscle.
 - c) Endoplasmic reticulum.
 - d) Relations and blood supply of Right kidney.
 - e) Name the extraocular muscles and mention their nerve supply.
 - f) Bronchopulmonary segments.
 - g) Classify synovial joints with examples.
2. Long answer questions (**any one** out of two):
- a) Describe the urinary bladder under the following headings

i) Location and shape.	[2]
ii) Capacity.	[1]
iii) Relations in male and female.	[3]
iv) Ligaments.	[2]
v) Interior of bladder.	[2]
vi) Applied anatomy.	[2]

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- b) Describe the thyroid gland under the following headings
- i) Shape, size and situation. [2]
 - ii) Capsule of thyroid gland. [2]
 - iii) Relations.* [3]
 - iv) Blood supply. [3]
 - v) Applied anatomy. [2]

SECTION - B (33 Marks)

(PHYSIOLOGY)

3. Short answer questions (**any four** out of five): [4 × 5 = 20]
- a) Give the composition and functions of saliva.
 - b) Write a note on functions of WBC.
 - c) Functions of stomach.
 - d) Give the composition and functions of cerebrospinal fluid (CSF)
 - e) Give a flow chart of the conducting system of the heart.

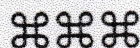
4. Long answer questions :

- a) Enumerate the hormones secreted by anterior pituitary gland. Discuss the actions of thyroid hormones on various metabolisms. [6]
- b) Add a note on Hyperthyroidism. [7]

OR

Long answer questions :

- c) Describe ABO & Rh blood group systems. [6]
- d) Add a note on erythroblastosis fetalis. [7]





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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 :**
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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 (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

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- 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



First Basic B.Sc. Nursing Examination, Summer 2017
ANATOMY AND PHYSIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 75

- 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 answerbook for **all** Sections.

SECTION - A

(Anatomy)

(42 Marks)

1. Short answer question (any six out of seven) : (6x5=30)
 - a) Boundaries and contents of axilla.
 - b) Interior of the right atrium. — repeat winter 2015
 - c) Sartorius muscle.
 - d) Primary supports of uterus. — repeat May/June 2011
 - e) Differences between the small intestine and large intestine. Rep. Summer 2012 / May/June 2008
 - f) Nerve supply of tongue. — Re. Summer-15
 - g) Morphological and functional divisions of cerebellum.
2. Long answer question (any one out of two) : (1x12=12)
 - a) Describe rectus sheath under following heads :
 - i) Definition and Features 3
 - ii) Formation 3
 - iii) Contents 3
 - iv) Function and Applied anatomy. 3

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- 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)

(4x5=20)

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

- a) Rh incompatibility. — Repeat summer 2013
- b) Puberty.
- c) Composition and Functions of Cerebrospinal Fluid (CSF). May/June 2010
- d) Actions of Thyroid hormone. Add a note on Hyperthyroidism.
- e) Explain the mechanism of muscle contraction.

(1x13=13)

4. Long answer question :

- 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. Repeat winter 2015 7

OR

Long answer question :

(1x13=13)

- c) Describe the Composition and Functions of Pancreatic juice. May/June 2011 6
- d) Describe transport of Oxygen from lungs to the tissues. Draw a neat labelled diagram of Oxygen-Haemoglobin dissociation curve. 7