

Pravara Institute of Medical Sciences

(Deemed to be University)

Loni Tal- Rahata Dist – Ahmednager

First year B. Sc Nursing Examination, June 2018

Paper Title: Anatomy & Physiology

Date: 01st June, 2018

Paper Code: NU - 101

Marks: 75

Time: 09.30 a.m. to 12.30 p.m.

Instruction to the Candidates:

1. Answer to the two sections should be written in separate books
2. Neat diagrams must be drawn wherever necessary.
3. Write answer on both sides of answer book.
4. Answer written in illegible handwriting will not be assessed.
5. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section – B (Anatomy)

Que. 2 Write short notes on any three

Marks 15
(3X5)

- a) Stomach bed
- b) Structure of breast
- c) Shoulder joint
- d) Muscle layers of heart

Que. 3 a) Describe the structure of Bouman's capsule in kidney under the following headings:

Marks 15
(7+8)

- i. Parts
- ii. Blood supply
- iii. Applied anatomy

b) Explain the structure of lungs under the following headings:

- i. Parts
- ii. Normal position
- iii. Applied anatomy

OR

b) Describe structure of middle ear under the following headings:

- i. Auditory ossicles
- ii. Nerve supply
- iii. Applied anatomy

Section – C (Physiology)

Que. 4 Write short notes on any three

Marks 15
(3X5)

- a) Explain mechanism of vision
- b) Explain gas exchange in lungs
- c) Composition and functions of gastric juice
- d) Explain the process of coagulation

Que. 5 Answer the following:

Marks 15
(7+8)

- a) Enumerate the functions of cerebellum; write the part of erebellum are concerned with maintenance of equilibrium?
- b) Describe the neural regulation of respiration

OR

b) Define cardiac output, what are the factors affecting cardiac output?

PRAVARA INSTITUTE OF MEDICAL SCIENCES
(Deemed University)

First year B.Sc. Nursing Examination, December, 2017

Paper Title: Anatomy & Physiology

Date: 01st December 2017

Paper Code: NU - 101

Marks: 75

Time: 9.30 am to 12.30 pm

Instruction to the Candidates:

1. Answer to the two sections should be written in separate books
2. Neat diagrams must be drawn wherever necessary.
3. Write answer on both sides of answer book.
4. Answer written in illegible handwriting will not be assessed.
5. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section – B (Anatomy)

Que. 2 Write short notes on (Any Three)

Marks 15
(3X5)

- a) Cubital fossa
- b) Structure of heart layers
- c) Gross features of spinal cord
- d) Structure of kidney

Que. 3 a) Describe the structure of long bones under following headings:

Marks 15
(7+8)

- i) Location
- ii) Structure
- iii) Arterial blood supply

b) Describe the structure of skull under the following headings:

- i) Lobes of the skull
- ii) Sutures
- iii) Applied Anatomy

OR

b) Describe the structure of eye under the following headings:

- i. Layers of eyeball
- ii. Muscle layers
- iii. Applied Anatomy

Section – C (Physiology)

Que. 4 Write short notes on (Any Three)

Marks 15
(3X5)

- a) Write the physiology of respiration
- b) Explain the process of blood coagulation
- c) Ovulation
- d) Describe the factors affecting cardiac output

Que. 5 Answer the following:

Marks 15
(7+8)

- a) Define nephron, and draw a neat labeled diagram of nephron
- b) Describe in detail on mechanism of urine formation

OR

- b) Define hypoxia, classify hypoxia and write the important features of different types of hypoxia

PRAVARA INSTITUTE OF MEDICAL SCIENCES
(Deemed University)

First year B.Sc. Nursing Examination, July 2017

Paper Title: Anatomy & Physiology

Date: 10th July 2017

Paper Code: NU - 101

Marks: 75

Time: 9.30 am to 12.30 pm

Instruction to the Candidates:

1. Answer to the two sections should be written in separate books
2. Neat diagrams must be drawn wherever necessary.
3. Write answer on both sides of answer book.
4. Answer written in illegible handwriting will not be assessed.
5. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section – B (Anatomy)

Que. 2 Write short notes on any three.

Marks 15
(3X5)

- a) Structure of nephrons (Bowman's capsule)
- b) Stomach bed
- c) Ball and socket joint
- d) Structure of skin

Que. 3 a) Describe the structure of heart under following headings:

Marks 15
(07+08)

- i) Layers and chambers
- ii) Nerve supply
- iii) Applied anatomy

b) Describe the Uterus under following headings:

- i) Parts
- ii) Normal position
- iii) Ligament

OR

b) Describe the pancreas under the following headings:

- i) Parts
- ii) Relations
- iii) Blood supply
- iv) Applied Anatomy

Section – C (Physiology)

Que. 4 Write short notes on any three

Marks 15
(3X5)

- a) Draw a well labeled diagram showing various lung volumes and capacities
- b) Write the difference between first and second heart sound
- c) Functions of small intestine
- d) Action of testosterone

Que. 5 Answer the following:

Marks 15
(7+8)

- a) Define reflex action and draw a neat labeled diagram of reflex arc
- b) List the properties of reflexes and describe any one in detail

OR

- b) Describe the sarcotubular system of skeletal muscle

PRAVARA INSTITUTE OF MEDICAL SCIENCES
(Deemed University)

First Year B. Sc. Nursing Examination, December 2016

Paper Title: **Anatomy & Physiology**

Date: **1st December 2016**

Paper Code: **NU 101**

Marks: **75**

Time: **9.30 am to 12.30 pm**

Instruction to the Candidates:

1. Answer to the two sections should be written in separate books.
2. All questions are compulsory.
3. Neat diagrams must be drawn wherever necessary.
4. Write answer on both sides of answer book.
5. Answer written in illegible handwriting will not be assessed.
6. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section B (Anatomy)

Que. 2 Answer the following: (Any Three)

**Marks 15
(3X5)**

- a) Cubital fossa
- b) Ball and socket joints
- c) Structure of uterus
- d) Breast lobes and its structure

Que. 3 Answer the following :

**Marks 15
(7+8)**

- a) Describe the structure of heart under the following headings:
i) Gross anatomy ii) Blood supply iii) Nerve supply
- b) Describe the skin layers under the following headings:
i) Gross anatomy ii) Sweat gland iii) Applied anatomy

OR

- b) Draw superolateral surface of cerebrum and explain the sulci and gyri present on superolateral surface

Section C (Physiology)

Que. 4 Answer the following: (Any Three)

**Marks 15
(3X5)**

- a) Describe any two properties of reflexes
- b) Explain the action of growth hormone
- c) Describe the mechanism of urine formation
- d) Error's of refraction

Que. 5 Answer the following

**Marks 15
(7+8)**

- a) Describe blood group system and write its clinical significance
- b) List the cranial nerves and write the functions of each

OR

- b) Describe the composition, function and regulation of salivary secretion

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PRAVARA INSTITUTE OF MEDICAL SCIENCES
(Deemed University)

First Year B. Sc. Nursing Examination, June 2016

Paper Title: Anatomy & Physiology

Date: 1st June 2016

Paper Code: NU 101

Marks: 75

Time: 9.30 am to 12.30 pm

Instruction to the Candidates:

1. Answer to the two sections should be written in separate books.
2. All question are compulsory.
3. Neat diagrams must be drawn wherever necessary.
4. Write answer on both sides of answer book.
5. Answer written in illegible handwriting will not be assessed.
6. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section B (Anatomy)

Que. 2 Answer the following: (Any Three)

**Marks 15
(3X5)**

- a) Bowman's capsule
- b) Layers of skin
- c) Stomach Bed
- d) Brachial plexus

Que. 3 Answer the following :

**Marks 15
(7+8)**

- a) Describe the thyroid gland under the following headings
 - i) Microscopic structure
 - ii) Blood supply
 - iii) Nerve supply
 - iv) Applied anatomy
- b) Explain the structure of breast under the following headings
 - i) Structure
 - ii) Blood supply
 - iii) Lymphatic drainage
 - iv) Applied Anatomy

OR

- b) Describe the structure of neuron and its applied anatomy

Section C (Physiology)

Que. 4 Answer the following: (Any Three)

**Marks 15
(3X5)**

- a) Importance of physiology in nursing
- b) Functions of gastric juice
- c) Write in detail about uterine changes during menstrual cycle
- d) Blood groups

Que. 5 Answer the following

**Marks 15
(7+8)**

- a) Define Cardiac cycle. Explain the events of cardiac cycle with diagram
- b) Enumerate the muscles of respiration. Describe the mechanism of respiration

OR

- b) Enumerate the parts of digestive system. Explain the process of digestion

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PRAVARA INSTITUTE OF MEDICAL SCIENCES
(Deemed University)

First Year B. Sc. Nursing Examination, December 2015

Paper Title: Anatomy , Physiology

Date: 1st December 2015

Paper Code: NU 101

Marks: 75

Time: 9.30 am to 12.30 pm.

Instruction to the Candidates:

1. Answer to the two sections should be written in separate books.
2. All questions are compulsory.
3. Neat diagrams must be drawn wherever necessary.
4. Write answer on both sides of answer book.
5. Answer written in illegible handwriting will not be assessed.
6. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section B (Anatomy)

Que. 2 Answer the following: (Any Three)

Marks 15
(3X5)

- a) Parts of young long bone
- b) Pectoralis major muscle
- c) Intercostals space
- d) Right atrium

Que. 3 Answer the following:

Marks 7

- a) Describe scalp and its applied importance
- b) Describe the gross anatomy of spleen with its applied anatomy

Marks 8

OR

- b) Describe the formation and branches of brachial plexus

Section C (Physiology)

Que. 4 Answer the following: (Any Three)

Marks 15
(3X5)

- a) Ovulation
- b) Function of saliva
- c) Reflex arc
- d) Physiology of hearing

Que. 5 Answer the following

Marks 15
(3+5+7)

- a) Define cardiac cycle
- b) Explain the origin and spread of cardiac impulse
- c) Describe the factors affecting cardiac output

OR

Describe the functions of female reproductive organs, and explain menstrual cycle (7+8)

**PRAVARA INSTITUTE OF MEDICAL SCIENCES
(Deemed University)**

First Year B. Sc. Nursing Examination, June 2015

Paper Title: Anatomy & Physiology

Date: 1st June 2015

Paper Code: NU 101

Marks: 75

Time: 2.30 pm to 5.30 pm

Instruction to the Candidates:

1. Answer to the two sections should be written in separate books.
2. All questions are compulsory.
3. Neat diagrams must be drawn wherever necessary.
4. Write answer on both sides of answer book.
5. Answer written in illegible handwriting will not be assessed.
6. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section B (Anatomy)

Que. 2 Answer the following: (Any Three)

**Marks 15
(3X5)**

- a) Structure of eye ball
- b) Blood supply of long bones
- c) Layers of heart
- d) Neurons

Que. 3 Answer the following :

Marks 7

- a) Describe the structure of kidney under the following headings
 - i) Gross anatomy
 - ii) Bowman's capsule
 - iii) Applied anatomy
- b) Describe the uterus under the following headings
 - i) Parts
 - ii) Supports
 - iii) Applied anatomy

Marks 8

OR

- b) Describe ear under the following headings
 - i) Gross anatomy
 - ii) Auditory ossicles
 - iii) Nerve supply
 - iv) Applied anatomy

Section C (Physiology)

Que. 4 Answer the following: (Any Three)

**Marks 15
(3X5)**

- a) Actions of growth hormone
- b) Functions of skin
- c) Immunity
- d) Functions of spinal cord

Que. 5 Answer the following

**Marks 15
(7+8)**

- a) Define blood pressure and explain the process of Coagulation
- b) Describe the functional unit of kidney with the help of diagram

OR

- b) Explain the digestion and absorption of fat in the intestine

PRAVARA INSTITUTE OF MEDICAL SCIENCES
(Deemed University)

First year B.Sc. Nursing Examination, December 2014

Paper Title: Anatomy & Physiology

Date: 1st December 2014

Paper Code: NU - 101

Marks: 75

Time: 2.30 pm to 5.30 pm

Instruction to the Candidates:

1. Answer to the two sections should be written in separate Answer books
2. Neat diagrams must be drawn wherever necessary.
3. Write answer on both sides of answer book.
4. Answer written in illegible handwriting will not be assessed.
5. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section – B (Anatomy)

Que. 2 Write short notes on any three

Marks 15
(3X5)

- a) Pancreas
- b) Brachial plexus
- c) Stomach bed
- d) Circle of Willis

Que. 3

a) Describe the thyroid gland under following headings

Marks 07
(3+2+2)

- i) Structure
- ii) Blood supply
- iii) Applied anatomy

b) Describe the tongue under following headings

Marks 08
(3+3+2)

- i) Structure
- ii) Blood supply
- iii) Applied anatomy

OR

b) Describe the long bones under following headings

(3+3+2)

- i) Structure
- ii) Blood supply of long bones
- iii) Nerve supply

Section – C (Physiology)

Que. 4 Write short notes on any three

Marks 15
(3X5)

- a) Functions of liver
- b) Structure of skin
- c) Cerebrum
- d) Functions of WBC

Que. 5 Answer the following:

Marks 15
(7+8)

- a) Enumerate the phases of deglutition
- b) Write the chemical digestion in small Intestine

OR

Describe the functional unit of kidney with the help of diagram and explain the formation of urine

Marks 15

PRAVARA INSTITUTE OF MEDICAL SCIENCES
(Deemed University)

First year B.Sc. Nursing Examination, June 2014

Paper Title: Anatomy & Physiology

Date: 2nd June 2014

Paper Code: NU - 101

Marks: 75

Time: 2.30 pm to 5.30 pm

Instruction to the Candidates:

1. Answer to the two sections should be written in separate Answer books
2. Neat diagrams must be drawn wherever necessary.
3. Write answer on both sides of answer book.
4. Answer written in illegible handwriting will not be assessed.
5. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes.

Section - B (Anatomy)

Que. 2 Write short notes on any three.

Marks 15
(3x5)

- a) Structure of Uterus
- b) Layers of Heart
- c) Thyroid gland
- d) Ball and Socket joint with examples

Que. 3 A) Describe the structure of kidney under the following headings

Marks 07
(3+3+1)

- a) External features
- b) Bowman's capsule
- c) Blood Supply

B) Describe the structure of stomach under the following headings

Marks 06

- i) Structure
- ii) Blood supply
- iii) Nerve supply

OR

B) Describe the popliteal fossa and its applied anatomy.

Section - C (Physiology)

Que. 4 Write short notes on any three

Marks 15
(3x5)

- a) Heart - Sounds
- b) Functions of spinal cord
- c) Visual pathway
- d) Contraception in Female

Que. 5 Answer the following:

Marks 15
(8+7)

- a) Define menstrual cycle & write in detail about uterine changes during menstrual cycle.
- b) Describe in detail about regulation of respiration under following headings
Nervous mechanism
Chemical mechanism

OR

- b) Enumerate the norms secreted by pituitary gland. Describe the action and regulation of secretion of growth hormone.