

[KZ 0811]

AUGUST 2011

Sub. Code: 1802

DIPLOMA IN NURSING AIDE
FIRST YEAR
PAPER II - ANATOMY AND PHYSIOLOGY
Q.P. Code : 841802

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain about joints, classification, structure and functions.
2. Enumerate about Brain.
3. Liver-Explain.

II. Write notes on:

(10 x 5 = 50)

1. Functions of bones.
2. Draw the diagram of stomach and mention the parts.
3. Functions of muscles.
4. Functions of heart.
5. Functions of lymph nodes.
6. Functions of nose.
7. Functions of tongue.
8. Functions of skin.
9. Functions of kidney.
10. Functions of neuron.

III. Short Answers on:

(10 x 2 = 20)

1. Parts of brain.
2. Types of palate.
3. What are all organs include respiratory system.
4. Define menopause.
5. Define menstrual cycle.
6. Types of membranes.
7. Types of blood groups.
8. Normal respiratory rate.
9. Define fever.
10. Define portal circulation.

[LA 0212]

FEBRUARY 2012

Sub. Code: 1802

DIPLOMA IN NURSING AIDE
FIRST YEAR
PAPER II - ANATOMY AND PHYSIOLOGY
Q.P. Code : 841802

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Draw the structure of the cell and write in detail about the functions of cell.
2. Draw the diagram of the heart and write the structure of the heart.
3. List out the twelve cranial nerves and write detail about the functions.

II. Write notes on:

(10 x 5 = 50)

1. Pulmonary Circulations.
2. Liver functions.
3. Physiology of respiration.
4. Synovial Joint.
5. Portal circulation.
6. Draw the structure of the skin and its functions.
7. The uterus structure and its parts.
8. Write in detail about cerebrospinal fluid.
9. Functions of the stomach.
10. Write in detail about erythrocytes and its functions.

III. Short Answers on:

(10 x 2 = 20)

1. Anatomy.
2. Respiration.
3. Hormone.
4. Neurones.
5. Cavity.
6. Vein.
7. Blood pressure.
8. Osmosis.
9. Skeleton.
10. Sphinctor.

DIPLOMA IN NURSING AIDE
FIRST YEAR
PAPER II - ANATOMY AND PHYSIOLOGY
Q.P. Code : 841802

Time: Three Hours**Maximum: 100 marks****Answer ALL questions in the same order****I. Elaborate on:**

	Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|--|---|---------|----|
| 1. Explain in detail about the parts of central nervous system with diagram. | 7 | 20 min. | 10 |
| 2. Write in detail about the structure of Heart. | 7 | 20 min. | 10 |
| 3. Thyroid gland and its functions. | 7 | 20 min. | 10 |

II. Write Notes on.

- | | | | |
|---|---|--------|---|
| 1. Brachial plexus. | 4 | 9 min. | 5 |
| 2. Pulmonary circulation. | 4 | 9 min. | 5 |
| 3. Thymus gland. | 4 | 9 min. | 5 |
| 4. Physiology of hearing. | 4 | 9 min. | 5 |
| 5. Structure of ovaries. | 4 | 9 min. | 5 |
| 6. Structure of testes. | 4 | 9 min. | 5 |
| 7. Circle of willis. | 4 | 9 min. | 5 |
| 8. Platelets. | 4 | 9 min. | 5 |
| 9. Functions of the autonomic neurons system. | 4 | 9 min. | 5 |
| 10. Sensory nerve tracts in the spinal cord. | 4 | 9 min. | 5 |

III. Short Answers on:

- | | | | |
|--|---|--------|---|
| 1. List down the cranial nerves. | 1 | 3 min. | 2 |
| 2. Mention the factors affecting the pulse. | 1 | 3 min. | 2 |
| 3. Enlist the various sites of taking pulse. | 1 | 3 min. | 2 |
| 4. Stages of cardiac cycle. | 1 | 3 min. | 2 |
| 5. Difference between artery and vein. | 1 | 3 min. | 2 |
| 6. Difference between gigantism and acromegaly. | 1 | 3 min. | 2 |
| 7. Diabetes insipidus. | 1 | 3 min. | 2 |
| 8. Functions of mammary gland. | 1 | 3 min. | 2 |
| 9. What are all the hormones secreted by the anterior pituitary gland. | 1 | 3 min. | 2 |
| 10. Stages of blood clotting (coagulation). | 1 | 3 min. | 2 |

[LC 0212]

FEBRUARY 2013

Sub. Code: 1802

DIPLOMA IN NURSING AIDE
FIRST YEAR
PAPER II - ANATOMY AND PHYSIOLOGY
Q.P. Code : 841802

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on: **(3 x 10 = 30)**

1. Enumerate the female reproductive organs, Describe the position, Coverings, Structure and blood supply.
2. Name the parts of the respiratory system and describe in detail about lungs.
3. Enumerate the organs of excretion, describe in detail the parts of the Urinary system.

II. Write notes on: **(10 x 5 = 50)**

1. Digestion in the stomach
2. Cranial Nerves
3. Functions of Spleen
4. Functions of RBC and haemoglobin
5. Classification of the joints and functions
6. Blood supply of the heart
7. Circle of Willis
8. Functions of epithelium
9. Functions of skin
10. Composition and function of cerebrospinal fluid.

III. Short Answers on: **(10 x 2 = 20)**

1. Mention any four lymphoid organs present in our body
2. Name the muscles of respiration
3. Name the two hormones produced by the Ovary?
4. Name any two enzymes which help in digestion of Carbohydrates
5. Mention any two functions of blood
6. Name any two hormones produced by the adrenal cortex
7. What is Micturition reflex?
8. Name any four primary tastes
9. Mention two functions of hydrochloric acid
10. Name different types of muscle tissue.

[LD 0212]

AUGUST 2013

Sub. Code: 1802

DIPLOMA IN NURSING AIDE
FIRST YEAR
PAPER II - ANATOMY AND PHYSIOLOGY
Q.P. Code : 841802

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Enumerate the structure and functions of the kidney
2. Explain the physiology of respiration what is Asthma?
3. Explain the Anatomy of the female genital organs? What is tubectomy?

II. Write notes on:

(10 x 5 = 50)

1. Define BP? What is hypertension?
2. Enumerate the Composition of blood.
3. Structure and functions of the spleen.
4. Structure, type, functions of the neuron.
5. What is pancreas? Write notes on diabetes.
6. What is male infertility? What is vasectomy?
7. Functions of the skin.
8. What are the various systems of the human body?
9. Composition and function of saliva.
10. Explain the Anatomy of the eye.

III. Short Answers on:

(10 x 2 = 20)

1. Define pulse?
2. What is hypoglycaemia?
3. What is Apnoea?
4. What are the hormones secreted by pituitary?
5. Snellen's chart uses?
6. What are the coverings of the brain?
7. Define malnutrition?
8. What is P.U.O? (pyrexia of unknown origin)
9. Functions of the nose.
10. Functions of the ear.

[LE 0212]

FEBRUARY 2014

Sub. Code: 1802

DIPLOMA IN NURSING AIDE
FIRST YEAR
PAPER II - ANATOMY AND PHYSIOLOGY
Q.P. Code : 841802

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. List the Sense Organs, Explain in detail about ear.
2. Enumerate the types of Joints, describe in detail about synovial Joints.
3. Describe the structure of heart.

II. Write notes on:

(10 x 5 = 50)

1. Circle of Willis.
2. Functions of blood.
3. Process of digestion.
4. Physiology of respiration.
5. Functions of Kidney.
6. Functions of Skin.
7. Cranial Nerves and its function.
8. Conducting system of heart.
9. Functions of Spleen.
10. Adrenal gland – structure and functions.

III. Short Answers on:

(10 x 2 = 20)

1. Pulse - Define.
2. Micturition.
3. Pericardium - Explain
4. Name the hormones Produced by Pancreas.
5. Name the muscles of respiration.
6. Name the Primary tastes.
7. Name the ear bones.
8. Name the parts of female reproductive system.
9. Name the steps involved in Blood clotting.
10. Name any two functions of liver.

[LF 0212]

AUGUST 2014

Sub. Code: 1802

DIPLOMA IN NURSING AIDE
FIRST YEAR
PAPER II - ANATOMY AND PHYSIOLOGY
Q.P. Code : 841802

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on: **(3 x 10 = 30)**

1. Draw the structure of the Cell and write in detail about the functions of cell.
2. Draw the diagram of the heart and write the structure of the heart.
3. Explain in detail about the parts of the Central System with diagram.

II. Write notes on: **(10 x 5 = 50)**

1. Classification of bones with suitable examples.
2. Mechanism of Clotting.
3. Functions of Spleen.
4. Gas exchange in lungs.
5. Digestion in Stomach.
6. Draw the structure of Skin and its function.
7. Structure of Ovaries.
8. Functions of liver.
9. Draw the thyroid gland and mention the parts.
10. Synovial joint.

III. Short Answers on: **(10 x 2 = 20)**

1. Mention any lymphoid organs present in our body.
2. Name the muscles of respiration.
3. Difference between artery and vein.
4. Name any two enzymes which help in digestion of Carbohydrate.
5. Diabetes insipidus.
6. Mention three coverings of Eye ball.
7. Average Clotting and bleeding time.
8. Anaemia.
9. Name any two hormones produced by the adrenal cortex.
10. Erythrocyte Sedimentation Rate [ESR].

[LG 0215]

FEBRUARY 2015

Sub. Code: 1802

DIPLOMA IN NURSING AIDE
FIRST YEAR
PAPER II - ANATOMY AND PHYSIOLOGY
Q.P. Code : 841802

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about erythrocytosis.
2. Describe in detail about thyroid gland & hormones secreted by thyroid gland.
3. Describe in detail in digestive system.

II. Write notes on:

(10 x 5 = 50)

1. Functions of medulla oblongata.
2. Describe about formation/drainage/absorption of CSF.
3. Define ovulation.
4. LH surge.
5. Perineal Body.
6. List out the muscles of respiration (Inst/Exp).
7. Kesselbach's triangle /little's area.
8. Corpus luteum.
9. Flexor Retinaculum.
10. Pelvic diaphragm.

III. Short Answers on:

(10 x 2 = 20)

1. Layers of skin.
2. Parts of Duodenum.
3. Portal vein.
4. Normal CSF pressure / What is ICT?
5. Enumerate the Extra ocular muscles.
6. Enumerate the Endocrine glands.
7. What is IOP and Normal value?
8. Part of Brain stem.
9. Define oedema.
10. Name any 2 plasma proteins.

[LH 0815]

AUGUST 2015

Sub. Code: 1802

DIPLOMA IN NURSING AIDE

FIRST YEAR

PAPER II – ANATOMY AND PHYSIOLOGY

Q.P. Code : 841802

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. The mechanism of gas exchange in lungs. What is Asphyxia?
2. Structure and functions of skin with a neat labeled diagram.
3. Parts of human brain in detail. What is Electroencephalogram?

II. Write notes on:

(10 x 5 = 50)

1. Functional anatomy of stomach.
2. Chambers of heart.
3. Hormones of adrenal gland.
4. Cerebrospinal fluid.
5. Mechanism of hearing.
6. Composition and function of blood.
7. Ball and socket joint.
8. Structure of ovaries.
9. Structure and function of nephron.
10. Composition and function of saliva.

III. Short Answers on:

(10 x 2 = 20)

1. Corpus luteum.
2. Pleura.
3. Platelets.
4. Respiratory Quotient.
5. Blood typing.
6. Parathyroid gland.
7. Cranial nerves.
8. Vital capacity.
9. Neurotransmitters.
10. Primary small sensations.

[LI 0216]

FEBRUARY 2016

Sub. Code: 1802

DIPLOMA IN NURSING AIDE

FIRST YEAR

PAPER II – ANATOMY AND PHYSIOLOGY

Q.P. Code : 841802

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. The anatomy of female reproductive system. Write note on female sex hormones.
2. Principal bones of axial and appendicular skeleton.
3. Vertebral column – Structure and function.

II. Write notes on:

(10 x 5 = 50)

1. Function of bones.
2. Function of spleen.
3. Blood supply of the heart.
4. Biosynthesis of thyroid hormones. What is goitre?
5. Anatomy of male reproductive system.
6. Autonomic nervous system.
7. Role of pancreas in digestion.
8. Physiology of vision.
9. Structure and functions of placenta.
10. Physiology of urine formation.

III. Short Answers on:

(10 x 2 = 20)

1. Glomerular filtration rate.
2. Types of palate.
3. Electrocardiogram.
4. Blood groups.
5. Asthma.
6. Bile juice.
7. Functions of tongue.
8. Anterior pituitary gland.
9. Endocytosis.
10. Femur.

[LJ 0816]

AUGUST 2016

Sub. Code : 1802

DIPLOMA IN NURSING AIDE COURSE

FIRST YEAR

PAPER II – ANATOMY AND PHYSIOLOGY

Q.P. Code : 841802

Time : Three hours

Maximum: 100 Marks

Answer **ALL** questions.

I. Elaborate on:

(3 x 10 = 30)

1. Explain the Anatomical features of Thyroid Gland in detail.
2. Explain the events of Cardiac Cycle in detail.
3. Classify Joints with Suitable examples.

II. Write notes on:

(10 x 5 = 50)

1. Skeletal Muscle.
2. Spleen.
3. Testis.
4. Platelets.
5. Role of bile in digestion.
6. Functions of thyroxine.
7. Eyeball.
8. Menstrual Cycle.
9. Structure of Skin.
10. Trachea.

III. Short answers on:

(10 x 2 = 20)

1. Muscles of Respiration.
2. Cartilage.
3. Openings of Diaphragm.
4. Draw a neat labeled diagram of Human cell.
5. Lung volume.
6. Insulin.
7. Eosinophil.
8. Pancreatic Enzymes.
9. Suprarenal gland.
10. Taste buds.

[LK 0217]

FEBRUARY 2017

Sub. Code: 1802

**DIPLOMA IN NURSING AIDE
FIRST YEAR
PAPER II – ANATOMY AND PHYSIOLOGY**

Q.P. Code : 841802

Time : Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe the Anatomical Terms and Planes in detail.
2. Define BLOOD PRESSURE and explain various factor and mechanism regulating it. Add a note on blood pressure measurement.
3. Enumerate the parts of Respiratory System in order and Explain Lungs in detail.

II. Write notes on:

(10 x 5 = 50)

1. Classification of glands.
2. Circulation of lymph.
3. Classification of Nervous System.
4. Cerebro spinal fluid.
5. Cardiac output.
6. Calcitonin.
7. Cardiac Muscle.
8. Clotting Factors.
9. Appendix.
10. Ureter.

III. Short Answers on:

(10 x 2 = 20)

1. Mitochondria.
2. Pleural recess.
3. Deltoid.
4. Anticoagulants.
5. Erythrocyte Sedimentation Rate.
6. Vital Capacity.
7. Spermatogenesis.
8. Mention the Bones of Upper limb.
9. Pulse rate.
10. Neuron.

[LL 0817]

AUGUST 2017

Sub. Code: 1802

**DIPLOMA IN NURSING AIDE COURSE
FIRST YEAR
PAPER II – ANATOMY & PHYSIOLOGY**

Q.P. Code: 841802

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Describe Joint. Classify joints and explain in detail about synovial joint.
2. Name the parts of the urinary system. Explain in detail about the kidney.
3. Describe in detail about Thyroid gland and hormones secreted by thyroid gland.

II. Write notes on:

(10 x 5 = 50)

1. Cardiac muscle.
2. Glands.
3. Liver.
4. Clotting factors.
5. Portal circulation.
6. Trachea.
7. Femur.
8. Conducting system of Heart.
9. Autonomic nervous system.
10. Pancreas.

III. Short answers on:

(10 x 2 = 20)

1. Menopause.
2. Blood groups.
3. Metabolism.
4. Parts of Large intestine.
5. Spermatogenesis.
6. Mastication.
7. Openings of Diaphragm.
8. List the endocrine glands.
9. Lobes of lungs.
10. Functions of Lymph.
