

PARAMEDICAL BOARD, BANGALORE
ANNUAL EXAMINATION AUGUST - 2018
DIALYSIS TECHNOLOGY (RS2)

Time: 3.00 HRS

Max Marks:100

GENERAL INSTRUCTIONS:

- i) The question paper has two parts A and B. Both the parts are compulsory.
ii) Write neat diagrams wherever necessary, Handwriting should be legible.

Subject: Anatomy

Q P CODE: 5155

I. Short notes, answer any FOUR questions.

4 X 5 = 20 marks

1. Spleen.
2. Heart.
3. Liver.
4. Testis.
5. Shoulder Joint.

II. Short answers

10 X 3 = 30 marks

6. Fascia.
7. Functions of Skin.
8. Hyaline Cartilage.
9. Lymph node.
10. Functions of Pancreas.
11. Functions of Salivary Glands.
12. Name Three Types of Epithelia.
13. Palatine Tonsil.
14. Name the Hormones secreted by Pituitary gland.
15. Name Carpal Bones.

Subject: Physiology

Q P CODE: 5156

I. Short notes, answer any FOUR questions.

4 X 5 = 20 marks

1. What is Renal Blood Flow? Give its normal value and methods of measurement of RBF.
2. Define ECG. Explain how to record ECG using 12 lead electrode system
3. Synthesis and actions of Insulin. What is Diabetes Mellitus?
4. Indications and contraindications of blood transfusion
5. Different mechanisms of transport across cell membrane

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II. Short answers

10 X 3 = 30 marks

6. Stem cells
7. Methods to measure ICF
8. Platelet functions
9. Normal value of Hemoglobin and its functions
10. Define Systolic BP and Diastolic BP. Give their normal values
11. SAN
12. Renal clearance
13. Draw neat labeled diagram of nephron
14. Actions of calcitonin
15. ADH

PARAMEDICAL BOARD, BENGALURU
SUPPLEMENTARY EXAMINATION FEBRUARY 2019
II YEAR DIPLOMA COURSE IN DIALYSIS TECHNOLOGY, (RS-II SCHEME)
QP CODE 5155

SECTION-A, ANATOMY
(WRITE IN A SEPARATE ANSWER BOOKLET)

Time: 3. 0 Hrs.

Max. Marks: 100

I.Short Answers, (Answer any 4)

4 x 5 = 20

1. Name the parts of respiratory system & Describe Trachea briefly
2. Classify the glands with examples
3. List the parts of digestive system, describe stomach
4. Describe gross features of urinary bladder
5. Classify joints with examples

II. Short Notes

10 x 3 = 30

6. Mention any 4 bones of upper limb
7. Mention any 4 nerves of lower limb
8. Name the parts of brain
9. Mention the parts of male reproductive system
10. Mention the parts of uterus
11. Mention the differences between right and left lung
12. Mention the types of muscle
13. Name the quadrants of abdomen
14. Mention any 4 differences between right and left kidney
15. Mention the types of cartilage

QP CODE 5156

SECTION-B, PHYSIOLOGY
(WRITE IN A SEPARATE ANSWER BOOKLET)

I. Short Notes – Answer any four questions
marks

4 x 5=20

1. Functions of W.B.C
2. Electrocardiogram (E.C.G)
3. Functions of Kidneys
4. Functions of Thyroid Hormones
5. Acid base regulation of kidneys.

II. Short Answers

10 x 3 =30 marks

6. Anaemia
7. Erythropoietin
8. Diagram of Structure of cell
9. Platelets
10. P.C.V (Packed cell volume)
11. Blood transfusion.
12. Parts of Nephron
13. Anticoagulants.
14. Functions of Oestrogen
15. Blood transfusion

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PARAMEDICAL BOARD, BENGALURU
ANNUAL EXAMINATION, AUGUST 2019
II YEAR DIPLOMA IN
DIALYSIS TECHNOLOGY (DDT)

TIME: 3 HRS

(RS -2 SCHEME)

MAX. MARKS: 100

QP CODE: 5155, SECTION-A, ANATOMY

(ANSWER IN BLUE BOOKLET ONLY)

I. SHORT NOTES -ANSWER ANY FOUR

4 x 5 = 20

1. Name the parts of urinary system, describe kidney in detail
2. Classify the nervous system, describe nerve supply and blood supply to the urinary bladder briefly
3. Describe heart in detail
4. Name the parts of respiratory system, describe trachea briefly
5. Name the endocrine glands, describe suprarenal gland

II. SHORT ANSWERS

10 x 3 = 30

6. Mention the joints of the lower limb
7. Mention any six bones of the skull
8. Name the parts of brain stem
9. Mention the parts of uterus
10. Mention the different types of cartilage
11. Name the muscles of anterior abdominal wall
12. Mention the parts of peritoneum
13. Mention the lymphoid organs
14. Mention the arteries of upper limb
15. Mention the different types of muscle

QP CODE: 5156, SECTION-B, PHYSIOLOGY

(ANSWER IN RED BOOKLET ONLY)

I. SHORT NOTES -ANSWER ANY FOUR

4 X 5 = 20

1. Define Secondary active transport. Explain with an example
2. Explain the stages of erythropoiesis
3. Explain counter-current mechanism in the kidneys
4. Draw neat labelled diagram of conducting system of the heart.
5. Write the functions of cortisol hormone

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II. SHORT ANSWERS

10 X 3 = 30

6. Write the source and function of Erythropoietin
7. Name the types of cell junctions
8. What are the functions of Platelets?
9. Write the steps of urine formation
10. Write the normal values of Heart rate and Blood pressure
11. Functions of Parathormone
12. Functions of Haemoglobin
13. Name the types of Dialysis
14. State Landsteiner's law of blood groups
15. Name THREE anticoagulants

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PARAMEDICAL BOARD, BENGALURU
SUPPLEMENTARY EXAMINATION, JANUARY 2020
II YEAR DIPLOMA IN DIALYSIS TECHNOLOGY (DDT)
QP CODE: 5155, SECTION-A, ANATOMY (RS -2 SCHEME)
(WRITE IN BLUE ANSWER BOOK)

TIME: 3 HRS

MAX. MARKS: 100

I. SHORT NOTES -ANSWER ANY FOUR

4 x 5 = 20

1. Mention the parts of the respiratory system and describe the lungs in detail
2. Classify bone with examples
3. Mention the lymphoid organs in the body and describe the spleen
4. Describe the heart in detail
5. Mention the endocrine organs and describe the thyroid gland

II SHORT ANSWERS

10X3=30

6. Median cubital vein
7. Peritoneum
8. Mention the parts of the nervous system
9. Mention any 3 long bones of upper limb
10. Mention any 3 arteries of lower limb
11. Classify muscle with examples
12. Mention the quadrants of the abdomen
13. Mention the movements at the shoulder joint
14. Paranasal sinuses
15. List any 3 nerves in the upper limb

QP CODE: 5156, SECTION-A, PHYSIOLOGY (RS -2 SCHEME)
(WRITE IN RED ANSWER BOOK)

I. SHORT NOTES -ANSWER ANY FOUR

4 X 5 = 20

1. Structure and functions of cell membrane
2. Explain extrinsic mechanism of coagulation
3. Functions of small intestine
4. Functions of Growth hormone
5. Mechanism of urine formation

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II. SHORT ANSWERS

10x3=30

6. Write a neat labelled diagram of Synapse
7. Mention the Functions of haemoglobin
8. What is the normal Heart rate? Write 2 conditions in which it increases
9. Define GFR. Give its normal value
10. Name the refractory errors of vision
11. Electrocardiogram(ECG)
12. Role of Acid base regulation by kidneys
13. Anticoagulants
14. Name hormones of hypothalamus
15. Three functions of skin

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ANNUAL EXAMINATION, NOVEMBER 2020

II YEAR DIPLOMA IN DIALYSIS TECHNOLOGY (DDT)

TIME: 1.30 Hrs (RS -2 SCHEME) MAX. MARKS: 100

9.30 am to 11 am, QP CODE: 5155, SECTION-A, ANATOMY

(WRITE IN BLUE ANSWER BOOK)

SHORT NOTES -ANSWER ANY FOUR

4x5=20

- 1 Name the parts of Female reproductive system. Describe briefly about uterus
- 2 Name the parts of Gastrointestinal tract & describe duodenum
- 3 Describe the gross features of urinary bladder
- 4 Name the parts of Central nervous system & describe spinal cord
- 5 Name the superficial veins of lower limb & describe briefly great saphenous vein

SHORT ANSWERS

10x3=30

- 6 Classify joints
- 7 Name the layers of heart
- 8 Name the types of cartilage
- 9 Name the four nerves of the upper limb
- 10 Name the veins used for intravenous injection
- 11 Name the arteries of lower limb
- 12 Name the structures at the hilum of the kidney
- 13 Name the parts of stomach
- 14 Name the parts of pancreas
- 15 Name the parts of nephron

Time: 1.30 Hrs, QP CODE: 5156, SECTION-B, PHYSIOLOGY

11 am to 12.30 pm, (WRITE IN RED ANSWER BOOK)

SHORT NOTES -ANSWER ANY FOUR

4x5=20

- 1 Classify body fluid compartment. Give their normal values
- 2 Functions of kidney
- 3 Functions of respiratory system
- 4 Functions of liver
- 5 Define erythropoiesis. Explain the steps of erythropoiesis

SHORT ANSWERS

10x3=30

- 6 Draw neat labelled diagram of Neuromuscular junction (NMJ)
- 7 Neat labelled diagram of normal ECG
- 8 Two functions of spinal cord
- 9 Functions of oxytocin
- 10 Cardiac output, Stroke volume
- 11 Define Landsteiner's law
- 12 Indications of blood transfusion
- 13 Name two anterior pituitary hormones
- 14 Contraceptive methods in females
- 15 Factors affecting GFR

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SUPPLEMENTARY EXAMINATION, JULY 2021

II YEAR DIPLOMA IN DIALYSIS TECHNOLOGY (DDT)

TIME: 1.30 Hrs (RS -2 SCHEME) MAX. MARKS: 100

9.30 am to 11 am, QP CODE: 5155, SECTION-A, ANATOMY

(WRITE IN BLUE ANSWER BOOK)

SHORT NOTES- ANSWER ANY FOUR

4x5=20

- 1 Describe heart in detail
- 2 Name the parts of urinary system, describe kidney in detail
- 3 Name the endocrine glands, describe suprarenal gland
- 4 Name the parts of respiratory system, describe trachea briefly
- 5 Classify the nervous system, describe nerve supply and blood supply to the urinary bladder briefly

SHORT ANSWERS

10x3=30

- 6 Mention the joints of the lower limb
- 7 Mention the lymphoid organs
- 8 Mention the different types of muscles
- 9 Mention the arteries of upper limb
- 10 Mention the parts of peritoneum
- 11 Mention the parts of uterus
- 12 Mention any six bones of the skull
- 13 Mention the different types of cartilage
- 14 Name the muscles of anterior abdominal wall
- 15 Name the parts of brain stem

Time: 1.30 Hrs, QP CODE: 5156, SECTION-B, PHYSIOLOGY (RS -2 SCHEME)

11 am to 12.30pm (WRITE IN RED ANSWER BOOK)

SHORT NOTES -ANSWER ANY FOUR

4x5=20

- 1 Define Secondary active transport. Explain with an example
- 2 Draw neat labelled diagram of conducting system of the heart
- 3 Counter-current mechanism in the kidneys
- 4 Explain the stages of erythropoiesis
- 5 Write the functions of cortisol hormone

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SHORT ANSWERS

10x3=30

- 6 Write the source and function of Erythropoietin
- 7 Name the types of cell junctions
- 8 Name three anticoagulants
- 9 Name the types of dialysis
- 10 What are the functions of platelets?
- 11 Functions of haemoglobin
- 12 State Landsteiner's law of blood groups
- 13 Functions of parathormone
- 14 Write the normal values of heart rate and blood pressure
- 15 Write the steps of urine formation

KARNATAKA NURSING & PARAMEDICAL SCIENCES EDUCATION (REGULATION) AUTHORITY
PARAMEDICAL BOARD, BENGALURU

ANNUAL EXAMINATION, NOVEMBER 2021

II YEAR DIPLOMA IN DIALYSIS TECHNOLOGY (DDT)

TIME: 1.30 Hrs (RS -2 SCHEME) MAX. MARKS: 100

9.30 am to 11 am, QP CODE: 5155, SECTION-A, ANATOMY

(WRITE IN BLUE ANSWER BOOK)

SHORT NOTES- ANSWER ANY FOUR

4x5=20

- 1 Write briefly the anatomy of kidney
- 2 Write briefly about the veins of the upper limb
- 3 Right lung
- 4 Write briefly about the synovial joints
- 5 Pancreas

SHORT ANSWERS

10x3=30

- 6 Classify bones
- 7 Write briefly about anatomical planes
- 8 Parts of small intestine
- 9 Larynx
- 10 Major salivary glands
- 11 Coverings of the heart
- 12 Carpal bones
- 13 Draw labelled diagram of neuron
- 14 Name the three muscles of upper limb
- 15 Write the Parts of long bone

Time: 1.30 Hrs, QP CODE: 5156, SECTION-B, PHYSIOLOGY (RS -2 SCHEME)

11 am to 12.30pm (WRITE IN RED ANSWER BOOK)

SHORT NOTES -ANSWER ANY FOUR

4x5=20

- 1 Mechanism of Active transport across cell membrane
- 2 Describe the composition and functions of Plasma proteins
- 3 ABO blood group system
- 4 Actions of Cortisol
- 5 draw a neat labelled diagram of structure of a Nephron

SHORT ANSWERS

10x3=30

- 6 Define Cardiac output and give its normal value
- 7 Write any three functions of Kidney
- 8 Name the primary Taste sensations
- 9 Write any three functions of the Skin
- 10 Name any three Gastrointestinal hormones
- 11 Define Erythrocyte Sedimentation Rate (ESR) and give its normal value
- 12 Name any three abnormal constituents of urine
- 13 Name the Muscle proteins
- 14 Heart sounds
- 15 Functions of Middle ear

VIDYA INSTITUTE OF PARA MEDICAL SCIENCES

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