

[LD 0212]

AUGUST 2013

Sub.Code :2502

B.SC. NEURO ELECTROPHYSIOLOGY

FIRST YEAR

PAPER – II PHYSIOLOGY & BIOCHEMISTRY

Q.P. Code: 802502

Time: Three hours

Maximum : 100 Marks

Answer All questions

I Elaborate on:

(3x10 =30)

1. Name the Ascending tracts. Explain in detail about spinothalamic tract.
2. Explain in detail about molecular basis of muscle contraction.
3. Classify proteins, based on their structure and functions.

II. Write Notes on:

(8 x 5 = 40)

1. Difference between rods and cones
2. Contraceptive methods
3. Spermatogenesis
4. Functions of saliva
5. Functions of basal ganglia
6. Wald's visual cycle
7. Protein energy malnutrition
8. Phospholipids

III. Short Answers on:

(10 x 3 = 30)

1. Polycythemia
2. Cardiac output
3. Tidal volume
4. Metabolic alkalosis
5. Micturition reflex
6. Essential amino acids
7. Metallo enzymes
8. Metabolic alkalosis
9. Hyperglycemic hormones
10. Scurvy

[LE 0212]

FEBRUARY 2014

Sub.Code :2502

B.SC. NEURO ELECTROPHYSIOLOGY

FIRST YEAR

PAPER – II PHYSIOLOGY & BIOCHEMISTRY

Q.P. Code: 802502

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3x10 =30)

1. Draw and explain in detail about the structure and components of cell organelles?
2. Define erythropoiesis? Explain in detail about the stages and factor regulating it?
3. Describe the aerobic glycolysis and it's energetic?

II. Write Notes on:

(8 x 5 = 40)

1. Taste pathway
2. Properties of skeletal muscle
3. Circulation of CSF
4. Functions of platelets
5. Calcium homeostasis
6. Riboflavin
7. SDA
8. Clinically importance enzymes

III. Short Answers on:

(10 x 3 = 30)

1. Rh factor
2. Synapse
3. Haemophilia
4. Acetylcholine
5. Rigormortis
6. Metabolic acidosis
7. Essential fatty acids
8. Fatty liver
9. Beri-beri
10. Dehydration

[LF 0212]

AUGUST 2014

Sub.Code :2502

**B.SC. NEURO ELECTROPHYSIOLOGY
FIRST YEAR
PAPER – II PHYSIOLOGY & BIOCHEMISTRY**

Q.P. Code: 802502

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on: **(3x10 =30)**

1. Explain in detail about molecular basis of muscle contraction?
2. Draw and explain in detail about the dorsal column pathway?
3. Draw a neat diagram of neuro muscular junction and describe the transmission of impulse across it.

II. Write Notes on: **(8 x 5 = 40)**

1. Difference between skeletal muscle and cardiac muscle?
2. Sarcomere.
3. Pathophysiology of epilepsies.
4. Sleep disorders
5. Properties of nerve fibers
6. Drugs blocking neuromuscular junction
7. Action potential.
8. Motor unit.

III. Short Answers on: **(10 x 3 = 30)**

1. Neurotropins
2. Muscle proteins
3. Composition of CSF
4. Duchene's muscular dystrophy
5. Hyperplasia
6. Referred pain.
7. Rigor mortis
8. Acetyl choline
9. Significance of delta rhythm in EEG
10. Depolarization

[LH 0815]

AUGUST 2015

Sub.Code :2502

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR
PAPER II – PHYSIOLOGY AND BIOCHEMISTRY**

Q.P. Code: 802502

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Draw a neat diagram on corticospinal tract. Add a note on origin, termination and functions of corticospinal tract.
2. Define synapse. Explain in detail about the synaptic transmission. Add a note on neurotransmitters involved in transmission.
3. Name the fat soluble vitamins. Explain in detail about vitamin A. Add a note on deficiency of vitamin A.

II. Write Notes on:

(8 x 5 = 40)

1. Draw a neat diagram of Structure of neuron.
2. Functions of vitamin C.
3. Pathway of taste.
4. Mitochondria.
5. Referred pain.
6. Properties of smooth muscle.
7. Functions of autonomic nervous system.
8. Difference between rods and cones.

III. Short Answers on:

(10 x 3 = 30)

1. Heart sounds.
2. Marasmus.
3. Land strainers law.
4. Cyanosis.
5. Respiratory quotient.
6. Spermatogenesis.
7. Taste buds.
8. Functions of placenta.
9. Structure of nephron.
10. Functions of bile.

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR
PAPER II – PHYSIOLOGY AND BIOCHEMISTRY**

Q.P. Code: 802502

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about organization and function of sympathetic and parasympathetic nervous system.
2. Detail about sources, function, R.D.A, dietary deficiency of Vitamin A.
3. Explain the nervous and chemical regulation of respiration.

II. Write Notes on:

(8 x 5 = 40)

1. Mechanism of blood clotting.
2. Calcitriol – synthesis and functions.
3. Describe coronary circulation.
4. Scurvey – causes and clinical features.
5. Describe the stages of deglutition.
6. Brief about investigations of diabetes mellitus.
7. Draw the structure and explain the functions of nephron.
8. Mention the functions of thyroid hormones.

III. Short Answers on:

(10 x 3 = 30)

1. Upper motor neuron lesion.
2. Enzyme assay in liver diseases.
3. Structure of a motor unit.
4. Diet for diabetes mellitus.
5. Contraception – mechanism and types.
6. Vit K – sources and deficiency manifestation.
7. Phases of gastric secretion.
8. Anion gap – normal value and significance.
9. Cyanosis.
10. Structure and functions of taste buds.

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR
PAPER II – PHYSIOLOGY AND BIOCHEMISTRY**

Q.P. Code: 802502

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about mechanism of hearing.
2. Explain the various mechanisms of body responsible for acid base balance. Add a note on metabolic acidosis.
3. Explain cardiac cycle. Write a note on normal pattern of E.C.G.

II. Write Notes on:

(8 x 5 = 40)

1. Draw the structure and explain the functions of skin.
2. Classify enzymes with examples.
3. Explain how blood pressure is regulated?
4. Isoenzymes – definition and types.
5. Composition and functions of bile.
6. Classify aminoacids based on their structure.
7. Micturition reflex – explain.
8. Menstrual cycle – explain diagrammatically.

III. Short Answers on:

(10 x 3 = 30)

1. Neurotransmitters.
2. Write normal composition of urine.
3. Explain the structure of neuron.
4. Handerson – Hasselbach equation.
5. Hyperparathyroidism- types and presentation.
6. Mastication – physiology.
7. Basal metabolic rate.
8. Surfactants – composition and function.
9. Diet in diabetes mellitus.
10. Anticoagulants.

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR
PAPER II – PHYSIOLOGY AND BIOCHEMISTRY**

Q.P. Code: 802502

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Draw a neat diagram on Pyramidal tract. Discuss the origin, course, termination and functions of Pyramidal tract.
2. Explain in detail about molecular basis of muscle contraction?
3. List the dietary sources and explain the functions and deficiency symptoms of vitamins B₁₂ and folic acid.

II. Write Notes on:

(8 x 5 = 40)

1. Erythroblastosis fetalis.
2. Absorption of Fat.
3. Factors affecting cardiac output.
4. Calcium homeostasis.
5. Role of peripheral chemoreceptors in the regulation of respiration.
6. Visual Pathway.
7. Physiological buffers and their role in regulation of blood pH.
8. Explain the process of detoxification of ammonia in our body.

III. Short Answers on:

(10 x 3 = 30)

1. Mention the types of active transport and give an example.
2. List the enzymes required for digestion of proteins.
3. What is Glomerular filtration rate and factors regulating it?
4. Diabetes mellitus.
5. Spermatogenesis.
6. Functions of Placenta
7. Conduction system of heart.
8. Transport of carbon dioxide.
9. Anion gap and its significance.
10. Diseases associated with obesity.

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR
PAPER II – PHYSIOLOGY AND BIOCHEMISTRY**

Q.P. Code: 802502

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Name the ascending tracts of spinal cord. Explain in detail the pain pathway.
2. Define Neuro-Muscular Junction. Describe the transmission of impulses across Neuro- Muscular Junction.
3. Describe the types, clinical features, diagnosis and complications of diabetes mellitus.

II. Write Notes on:

(8 x 5 = 40)

1. Types of blood groups and their uses.
2. Micturition reflex.
3. Ovarian changes in menstrual cycle.
4. Oxygen dissociation curve.
5. Conduction system of heart.
6. Refractory errors.
7. Explain how analysis of cerebrospinal fluid helps in diagnosis of meningitis?
8. Describe the components of energy expenditure.

III. Short Answers on:

(10 x 3 = 30)

1. Draw structure of cell.
2. Composition and functions of pancreatic juice.
3. Cushing's syndrome.
4. Posterior pituitary hormones and their functions.
5. Any three functions of Testosterone.
6. What is vital capacity? Mention its significance.
7. What is surfactant? What is its function?
8. Heart Sounds.
9. What are isoenzymes? Give an example.
10. Write three functions of sodium.

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR
PAPER II – PHYSIOLOGY AND BIOCHEMISTRY**

Q.P. Code: 802502

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Define synapse. Explain in detail about the synaptic transmission. Add a note on neurotransmitters involved in transmission.
2. Define erythropoiesis? Explain in detail about the stages and factors regulating it?
3. Classify lipids and describe the functions of various lipid molecules in our body.

II. Write Notes on:

(8 x 5 = 40)

1. Neuromuscular junction.
2. Functions of Thyroxine.
3. Hormonal changes in menstrual cycle.
4. Oxygen dissociation Curve.
5. Factors affecting cardiac output.
6. Taste pathway.
7. Write briefly on the functions of calcium and phosphorous.
8. Explain the process of detoxification of ammonia in our body.

III. Short Answers on:

(10 x 3 = 30)

1. What is haemophilia? What is the cause for it?
2. Rigor mortis.
3. Enzymes in pancreatic juice.
4. Stroke volume.
5. What is surfactant?
6. Types of jaundice.
7. Three steps involved in formation of urine.
8. Hormones which rise blood sugar level?
9. How are amino acids classified?
10. Write three functions of sodium.

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR
PAPER II – PHYSIOLOGY AND BIOCHEMISTRY**

Q.P. Code: 802502

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Draw the cross section of spinal cord showing the ascending and descending tracts. Explain in detail about the touch pathway.
2. Define Action potential? Write in brief about the ionic basis of action potential? Add a note on Saltatory conduction?
3. Define and classify Anaemia? Write in brief about megaloblastic anaemia and iron deficiency anemia?

II. Write Notes on:

(8 x 5 = 40)

1. Erlanger's Classification of Nerve fibers.
2. Cardiac cycle.
3. Fibrinolysis.
4. Digestion and Absorption of Fats.
5. Hyperthyroidism.
6. Artificial respiration.
7. Explain the functions and deficiency manifestation of Vitamin A.
8. Classify Enzymes. Mention one example for each.

III. Short Answers on:

(10 x 3 = 30)

1. Bicarbonate buffers.
2. Heart sounds.
3. Surfactant.
4. Mismatched blood transfusion reactions.
5. Organ of Corti.
6. Sensations carried by Posterior column.
7. Mention the conditions where neuron specific enolase and Creatine kinase levels raises?
8. Functions of Vitamin D.
9. What is balanced diet?
10. Rigor mortis.

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR
PAPER II – PHYSIOLOGY AND BIOCHEMISTRY**

Q.P. Code: 802502

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Draw the origin, course, termination and functions of corticospinal tract. What is Hemiplegia and mention its clinical features.
2. Define NMJ? Write in brief about the mechanism of neuromuscular transmission? Add a note on Myasthenia Gravis.
3. What is normal blood calcium level? Explain the functions and deficiency manifestations of calcium?

II. Write Notes on:

(8 x 5 = 40)

1. Wallerian degeneration.
2. Conducting system of heart.
3. Rh incompatibility.
4. Mechanism of HCL secretion.
5. Cushing's syndrome.
6. Neural regulation of respiration.
7. Classify lipids and mention its functions.
8. Explain the formation and biochemical analysis of CSF.

III. Short Answers on:

(10 x 3 = 30)

1. Juxta Glomerular apparatus.
2. Vital capacity.
3. Define ejection fraction and its normal value.
4. Secondary active transport.
5. Dark adaptation.
6. Name any two facilitatory and inhibitory neurotransmitters.
7. What is coenzyme? Give two examples.
8. Mention any four buffers in human body.
9. Name any three clotting factors activated by vitamin K.
10. Tests for ovulation.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0321]

MARCH 2021

Sub. Code: 2502

(AUGUST 2020 EXAM SESSION)

B.Sc. NEURO ELECTRO PHYSIOLOGY

FIRST YEAR (Regulation 2012-2013)

PAPER II – PHYSIOLOGY AND BIOCHEMISTRY

Q.P. Code : 802502

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define Receptors. What are receptor types? Write in detail about the properties of receptor.
2. Describe the electron microscopic structure of skeletal muscle. Briefly write about the Excitation - Contraction coupling in skeletal muscle.
3. What are fat soluble vitamins? Explain about the synthesis, function and deficiency manifestation of Vitamin D.

II. Write Notes on:

(8 x 5 = 40)

1. EEG waves.
2. Baroreceptors.
3. What is GFR and factors regulating it?
4. Gastric function tests.
5. Hormonal changes in menstrual cycle.
6. Transport of oxygen.
7. Explain the clinical features and investigations of Diabetes Mellitus.
8. Explain about functions and deficiency manifestations of thiamine.

III. Short Answers on:

(10 x 3 = 30)

1. Waves of JVP.
2. Dead space.
3. Jaundice.
4. Functions of plasma proteins.
5. Mention any three functions of hypothalamus.
6. Mention the normal levels of
 - i) Serum pH
 - ii) Blood glucose
 - iii) Serum creatinine.
7. Mention any three functions of calcium.
8. Name the isoenzymes of Creatine kinase
9. Anomalies of colour vision.
10. Pregnancy diagnostic tests.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0422]

APRIL 2022

Sub. Code: 2502

(FEBRUARY 2021 & AUGUST 2021 EXAM SESSIONS)

B.Sc. NEURO ELECTRO PHYSIOLOGY

FIRST YEAR (Regulations 2012-2013 & 2018-2019)

PAPER II – PHYSIOLOGY & BIOCHEMISTRY

Q.P NO. 802502

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on : (3X10=30)

1. Describe in detail about composition, formation, circulation and function of cerebrospinal fluid.
2. Explain in detail about cardiac cycle, cardiac output and its regulation.
3. What is normal serum potassium level? Explain about Hypokalemia and Hyperkalemia along with the ECG changes.

II. Write Notes on : (8X5=40)

1. Blood transfusion.
2. Functions of placenta.
3. Pain pathway.
4. Composition and functions of bile.
5. Enzyme inhibition.
6. Vitamin K.
7. Sleep disorders.
8. Functions of saliva.

III. Short Answers on : (10X3=30)

1. Hyponatremia.
2. Functions and uses of Biotin.
3. Basal Metabolic Rate.
4. Isoenzymes.
5. Lysosomes.
6. Anion gap.
7. Balanced diet.
8. Effect of exercise on respiratory system.
9. Structure of a motor unit.
10. Significance of delta rhythm in EEG.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1122]

NOVEMBER 2022

Sub. Code: 2502

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR (Regulations 2012-2013 & 2018-2019)
PAPER II – PHYSIOLOGY & BIOCHEMISTRY
Q.P NO. 802502**

Time: Three Hours

Answer All questions

Maximum : 100 Marks

I. Elaborate on :

(3X10=30)

1. Describe in detail about the mechanism of formation of urine.
2. Write in detail about physiological actions and regulation of thyroid hormones.
Add a note on cretinism.
3. Write in detail about sources, functions, RDA, active form and deficiency manifestations of Thiamine.

II. Write Notes on :

(8X5=40)

1. Composition and functions of blood.
2. Contraceptive methods.
3. Structure and functions of nephron.
4. Regulation of blood pressure.
5. Hypoxic hypoxia.
6. Phospholipids.
7. Functions of magnesium.
8. Vitamin E.

III. Short Answers on :

(10X3=30)

1. Spermatogenesis.
2. Structure of a synapse.
3. Rods and cones.
4. Functions of surfactant.
5. Pantothenic acid.
6. Anticoagulants.
7. Golgi apparatus.
8. Rickets and osteomalacia.
9. Henderson- Hasselbach equation.
10. Upper motor neuron lesion.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0423]

APRIL 2023

Sub. Code: 2502

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR (Regulations 2012-2013 & 2018-2019 onwards)
PAPER II – PHYSIOLOGY & BIOCHEMISTRY**

Q.P. Code: 802502

Time: Three Hours

Answer All questions

Maximum : 100 Marks

I. Elaborate on :

(3X10=30)

1. Explain in detail about composition, functions and regulation of Salivary secretion.
2. Write in detail about the conducting system of Heart with a neat diagram.
3. Write in detail about classification of Lipids. Add a note on functions of Lipids.

II. Write Notes on :

(8X5=40)

1. Functions of Skin.
2. ABO blood group system.
3. CO₂ transport.
4. Referred pain.
5. Classification of Proteins.
6. Riboflavin.
7. Protein energy malnutrition.
8. Metabolic acidosis.

III. Short Answers on :

(10X3=30)

1. Acromegaly.
2. Polycythemia.
3. Define Cyanosis.
4. Phases of Menstrual cycle.
5. Oxygen debt.
6. Essential Amino acids.
7. Fatty liver.
8. Structure of Mitochondria.
9. Scurvy.
10. Respiratory Quotient.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1123]

NOVEMBER 2023

Sub. Code: 2502

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR (Regulations 2012-2013 & 2018-2019 onwards)
PAPER II – PHYSIOLOGY & BIOCHEMISTRY
Q.P. Code: 802502**

Time: Three Hours

Answer All questions

Maximum : 100 Marks

I. Elaborate on : (3X10=30)

1. Define Blood Clotting. Write a note on clotting factors. Describe in detail about mechanism of Clotting.
2. Define Isoenzymes. Describe in detail about types of Enzyme inhibition with examples. Add a note on Coenzyme.
3. Write in detail about sources, biochemical functions and deficiency manifestations of Vitamin D.

II. Write Notes on : (8 X 5 = 40)

1. Define pH, Buffer, Normality, Molarity and Molality.
2. Classify Proteins based on structural organization.
3. Sources and Biochemical functions of Folic acid.
4. Describe briefly about the formation of Urine.
5. Conducting system of Heart.
6. Write in detail about Chemical process involved in muscle contraction.
7. Phases of Menstrual cycle.
8. Principles of Lung Function Test.

III. Short Answers on : (10 X 3 = 30)

1. Define Hyponatremia and Hyperkalemia.
2. Mention any four abnormal constituents of Urine.
3. Coenzyme forms of Niacin and its importance.
4. Define Fluorosis and its clinical manifestation.
5. Define Diabetes Mellitus and types of Diabetes Mellitus.
6. Functions of Retina.
7. Rickets and Osteomalacia.
8. Cushings syndrome.
9. Functions of Basal Ganglia.
10. Referred pain.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0424]

APRIL 2024

Sub. Code: 2502

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR (Regulations 2012-2013 & 2018-2019 onwards)
PAPER II – PHYSIOLOGY & BIOCHEMISTRY
Q.P. Code: 802502**

Time: Three Hours

Answer All questions

Maximum : 100 Marks

I. Elaborate on : (3 X 10 = 30)

1. Write in detail about Sources, Biochemical functions and Deficiency manifestations of Vitamin B 12.
2. Describe about the classification of Lipids and functions of Lipid.
3. Write in detail about
 - a) Structure, type and functions of Neuron
 - b) Properties of Neurons
 - c) Neuro transmitters.

II. Write Notes on : (8 X 5 = 40)

1. Physiological actions of Thyroid hormones.
2. Structure and functions of Nephron.
3. Functions of Red Blood Cell.
4. Deficiency manifestations of Thiamine.
5. Define
 - a) Basal Metabolic Rate
 - b) Specific Dynamic Action.
6. Structure and functions of Skin.
7. What is Normal Blood Calcium Level? Write about the biochemical functions of Calcium.
8. Investigations for Diabetes Mellitus.

III. Short Answers on : (10 X 3 = 30)

1. Deficiency manifestations of Vitamin C.
2. Mention any three cell organelles and its functions.
3. Define pH and Henderson-Hasselbalch equation.
4. Vitamin K.
5. Functions of Retina.
6. Properties of Skeletal muscle.
7. Puberty and Menopause.
8. Functions of Gastric secretion.
9. ABO system and Rh system.
10. Define Cyanosis and Dyspnoea.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1125]

NOVEMBER 2025

Sub. Code: 2502

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR (Regulations 2012-2013 & 2018-2019 onwards)
PAPER II – PHYSIOLOGY & BIOCHEMISTRY
Q.P. Code: 802502**

Time: Three Hours

Answer All questions

Maximum : 100 Marks

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

1. Describe about the conducting system of heart. Explain the pathway of spread of cardiac impulse.
2. Classify sensory receptors and give examples for each. Describe any five properties of receptors.
3. Describe the sources, biochemical functions and deficiency manifestations of Vitamin A.

II. Write Notes on : (8 x 5 = 40)

1. Describe the pain pathway. Add a note on types of pain.
2. Neural Regulation of Respiration.
3. Mechanism of Clotting.
4. Functions of Thyroid.
5. Classify Enzymes. Write about clinically important enzymes.
6. Classify lipids and mention any five functions of lipids.
7. Mention any five functions of calcium and its normal serum level.
8. Benedict's test and Heat coagulation test done in urine sample analysis.

III. Short Answers on: (10 x 3 = 30)

1. Functions of Skin.
2. What is a sarcomere? Draw its labelled diagram.
3. Mention any two non-respiratory functions of respiratory system.
4. Functions of bile.
5. Blood grouping.
6. Define gluconeogenesis.
7. Normal values of Sodium and Potassium. What is Hyponatremia?
8. Name four types of acid base disorders of human body.
9. What is a co-enzyme? Mention two examples.
10. Name the three enzymes raised in liver diseases.
