[KO 1232] **Sub. Code : 1232**

FIRST B.H.M.S DEGREE EXAMINATION.

(Regulations 2004)

Paper V — PHYSIOLOGY — I

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

I. Long Essay :

Answer any TWO of the following : (2 × 15 = 30)

1. What is erythropoiesis? Write in detail stages of development of erythrocytes.

2. Define cardiac output and give a detailed note on control of cardiac output.

3. What is Hamburgers phenomenon? Write about carriage of Carbon–di–oxide.

II Short notes :

Answer any TEN of the following : (10 × 5 = 50)

1. Conjugated proteins.
2. Errors of refraction.
3. Functions of Reticulo–endothelial system.
4. ABO groups.
5. Functional tissues of heart.
6. Renin–angiotensin mechanism.
7. Functions of skin.
8. Osmosis, its physiological importance.
9. Caisson's disease.
10. Mechanism of heat loss.
11. Facultatory reabsorption.
12. Sino–Aortic mechanism.

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[KP 1232] **Sub. Code : 1232**

FIRST B.H.M.S. DEGREE EXAMINATION.

(Regulations 2004)

Paper V — PHYSIOLOGY — I

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

I. Essay on :

1. Define coagulation. Mention the types of clotting. Write a note on intrinsic clotting. (20)

Write an essay on any TWO of the following : (2 × 15 = 30)

2. Describe in detail the generation and conduction of cardiac impulses.

3. Describe the formation, composition, circulation and functions of lymph.

4. Describe the functions of kidneys and their role in maintenance of body water.

II. Write short notes on any SIX on the following : (6 × 5 = 30)

1. Active immunity.

2. Cell membrane.

3. O_2 diffusion through respiratory membrane

4. Peripheral resistance.

5. Errors of refraction.

6. Bohr effect.

7. Organ of Corti.

8. Dead space air.

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AUGUST 2007

[KR 1232] **Sub. Code : 1232**

FIRST B.H.M.S. DEGREE EXAMINATION.

(Regulations 2004)

Paper V — PHYSIOLOGY — I

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

I. Write any TWO

1. Describe the source, chemistry, daily requirement, biochemical functions and deficiency manifestation of Vit. C. (1 + 2 + 1 + 8 + 3 = 15)

2. Describe 'β' oxidation of palmitic acid with its energetics. (10 + 5 = 15)

3. Draw a neat and labelled diagram of anterolateral spinothalamic tract. (7 + 8 = 15)

II. Short notes : (10 × 5 = 50)

(Write any TEN)

1. GTT.

2. Km value.

3. Significance of HMP pathway

4. BMR (Basal Metabolic Rate)

5. BBB (Blood Brain Barrier)

6. Functions of stomach

7. Menstrual cycle

8. Receptors

9. Errors of refraction

10. Organ of Corti

11. ABO blood group

12. Caisson's disease.

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FEBRUARY 2008

[KS 1232] **Sub. Code : 1232**

FIRST B.H.M.S. DEGREE EXAMINATION.

(Regulations 2004)

Paper V — PHYSIOLOGY – I

Q.P. Code : 581232

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

I. Long Essay (write any TWO): (2 × 15 = 30)

1. Define Coagulation. Explain in detail about the mechanism involved in that and the factors influencing it. (2 + 8 + 5)

2. Define heart rate, it's variation and the mechanism of regulation of heart rate. (2 + 2 + 11)

3. Explain in detail about various stages involved in urine formation.

II. Short notes (Write any TEN): (10 × 5 = 50)

1. Surface tension and it's physiological significance.

2. Hypoxea.

3. Micturition.

4. Cyanosis.

5. Functions of plasma proteins.

6. Vital Capacity and it's significance.

7. Juxta glomerular apparatus.

8. First heart sound.

9. E.C.G.

10. Factors regulating erythropoiesis.

11. Rigormortis.

12. Taste buds.

August 2008

[KT 1232] **Sub. Code : 1232**

FIRST B.H.M.S. DEGREE EXAMINATION.

(Regulations 2004)

Paper V — PHYSIOLOGY — I

Q.P. Code : 581232

Time : Three hours Maximum : 100 marks

I. Long Essay : (2 × 15 = 30)

Answer any TWO.

1. Define Respiration. Name the muscles of respiration. Write briefly about the mechanism of respiration.

2. Define Cardiac cycle. Write in detail about all its phases.

3. What is Differential Leucocyte count. Write briefly about the functions of individual WBCs.

II. Short notes : (10 × 5 = 50)

Write any TEN.

1. Blood groups.

2. Plasma membrane of the cell.

3. Lung volume.

4. Surface tension and its importance.

5. Artificial respiration.

6. ESR.

7. First Heart Sound.

8. Rh factor.

9. Blood pressure.

10. GFR.

11. Functions of Platelets.

12. Renal function tests.

III. Short answers : (10 × 2 = 20)

1. Hemostasis.

2. Gene.

3. Lung compliance.

4. Heart rate.

5. ECG.

6. Nephron.

7. Dialysis.

8. Proteinuria.

9. Dead space.

10. Hypoxia.

[KU 1232] **FEBRUARY 2009** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

(Regulations 2004-2005 onwards)
Pattern 5
PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum: 100 marks**

I. Long Essay: **(Answer any TWO questions)** **(2 x 15 = 30)**

1. Define arterial blood pressure. Write in detail about the regulation of arterial blood pressure.
2. Define Erythropoiesis. Write in detail about various stages of Erythropoiesis and factors responsible for Erythropoiesis.
3. Describe about the process of formation of urine.

II. Short notes on: **(Answer any TEN questions)** **(10 x 5 = 50)**

1. Decompression sickness.
2. Endocytosis.
3. Hemostasis.
4. Cardiac centres.
5. Lymph - its composition and function.
6. Auto immune diseases.
7. Micturition reflex.
8. Surfactant.
9. Heart sounds.
10. Thermogenesis.
11. Organ of corti.
12. Kreb's cycle.

III. Write Short answers : **(Answer ALL questions)** **(10 x 2 = 20)**

1. Rhodopsin.
2. Thermolysis.
3. Glomerular filtration rate.
4. Abnormal pace maker.
5. Uraemia.
6. Thrombosis.
7. Types of antibodies.
8. Nitrogen Narccosis.
9. Arrhythmia.
10. Pneumothorax.

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[KV 1232] **AUGUST 2009** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

(Regulations 2004-2005 onwards)
Pattern 5
PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum: 100 marks**

I. Long Essay: (Answer any TWO questions) (2 x 15 = 30)

1. Define cardiac output and its variations. Write in detail about the factors maintaining cardiac output.
2. Write in detail about the mechanism of respiration.
3. Define blood coagulation. Describe the mechanisms involved in coagulation. Add a note on anticoagulants.

II. Short notes: (Answer any TEN questions) (10 x 5 = 50)

1. Layers of retina.
2. Homoeostasis.
3. Functions of spleen.
4. Cardiac Murmurs.
5. Arterial pulse.
6. Pulmonary function test.
7. Artificial respiration.
8. Surface tension.
9. Renal failure.
10. Functions of skin.
11. Dialysis.
12. Leukopoiesis.

III. Write Short answers : (Answer ALL questions) (10 x 2 = 20)

1. E.S.R.
2. Name the plasma proteins.
3. Pinocytosis.
4. Purpura.
5. Name the parts of nephron.
6. Artificial kidney.
7. Acidosis.
8. Stroke volume.
9. Diuresis.
10. Name the respiratory centres.

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[KW 1232] **FEBRUARY 2010** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

(Regulations 2004-2005 onwards)
Pattern 5
PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum: 100 marks**

Answer ALL questions

I. Essay: **(2 x 15 = 30)**

1. Describe Kreb's cycle (TCA).
2. Define Erythropoiesis. List the different stages of Erythropoiesis & explain in detail.

II. Short Notes: **(10 x 5 = 50)**

1. Anemia.
2. T-Lymphocyte.
3. Rh-factor.
4. Structure of nephron.
5. Pacemaker.
6. Dead space.
7. Beri-beri.
8. Pulmonary circulation.
9. Nyctalopia.
10. Lipoproteins.

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

1. Define Cardiac output.
2. Define coagulation.
3. Colour index.
4. Types of WBC's
5. Glycolysis.
6. GTT
7. Bence Jones protein.
8. Essential aminoacids.
9. Acidosis.
10. Thrombocytopenia.

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[KX 1232] **AUGUST 2010** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

(Regulations 2004-2005 onwards)
Pattern 5
PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum: 100 marks**

Draw neat diagram wherever necessary
Answer ALL question

I. Essay question: **(2 x 15 = 30)**

1. Define Cardiac cycle and write in detail about its phases.
2. What are Vitamins? Explain in detail what are the sources, absorption, metabolism, functions and deficiency disorders of Vitamin A.

II. Short Notes: **(10 x 5 = 50)**

1. What are Enzymes? Write the Characteristics of it.
2. Organ of Corti.
3. Functions of Skin.
4. Functions of Plasma Proteins and write its applied Physiology.
5. Surfactant.
6. Hemostasis.
7. Micturition Reflex.
8. Functions of Reticulo-Endothelial system.
9. Dialysis.
10. Visual Pathway.

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

1. Hypoxia.
2. Tidal Volume.
3. Cyanosis.
4. Mention the factors of coagulation.
5. Erythropoietin.
6. Factors needed for synthesis of Heamoglobin.
7. Pernicious Anemia.
8. Diffusion.
9. Scurvy.
10. Hypothermia.

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[KZ 1232] **AUGUST 2011** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum: 100 marks**

Answer ALL questions

I. Essay: **(2 x 15 = 30)**

1. Define Differential leucocyte count. Describe the different varieties of leucocyte with their functions?
2. Define Respiration. Explain the different mechanism of regulations of respiration?

II. Short Notes: **(10 x 5 = 50)**

1. Electro cardio gram.
2. Cardiac output.
3. Define surface tension and its physiological significance.
4. Errors of refraction.
5. Cough reflex.
6. Hypoxia.
7. Give an account of micturition.
8. Juxta glomerular apparatus.
9. Basal metabolic Rate.
10. Radial pulse

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

1.Deoxyribo Neuclic acid.
2. Phagocytosis.
3. Rhodopsin.
4. Spirometry.
5. Hypothermia.
6. T-Lymphocyte.
7. Lymph.
8. Haemophilia.
9. Surfactant.
10. Thrombocytopenic Purpura.

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[LB 1232] **AUGUST 2012** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum: 100 marks**

Answer ALL questions

I. Elaborate on:	**Pages (Max.)**	**Time (Max.)**	**Marks (Max.)**
1. Describe in detail about the generation and conduction of Cardiac impulses.	16	25	15
2. Define Erythropoiesis. Write in detail the stages of development of Erythrocytes.	16	25	15
II. Write notes on:			
1. Alveolar air.	3	8	5
2. Transport of oxygen.	3	8	5
3. Arterial Pulse.	3	8	5
4. Reticuloendothelial system.	3	8	5
5. Heart sounds.	3	8	5
6. Lewis triple response.	3	8	5
7. Sarcotubular system.	3	8	5
8. Periodic breathing.	3	8	5
9. ABO blood groups.	3	8	5
10. Hypoxia –classification and cause.	3	8	5
III. Short Answers			
1. Mountain sickness.	1	5	2
2. Plasma proteins.	1	5	2
3. Erythrocyte sedimentation rate.	1	5	2
4. Lymph.	1	5	2
5. Respiratory unit.	1	5	2
6. Angina pectoris.	1	5	2
7. Gap junctions.	1	5	2
8. ECG Waves.	1	5	2
9. DNA.	1	5	2
10. Purpura.	1	5	2

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[LC 1232] **FEBRUARY 2013** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum: 100 marks**

Answer ALL questions

I. Essay: **(2 x 15 = 30)**

1. Define cardiac output and its variations. Write in detail about the factors maintaining cardiac output.

2. Define blood coagulation. Describe the mechanisms involved in coagulation. Add a note on anticoagulants.

II. Short Notes: **(10 x 5 = 50)**

1. Layers of retina.
2. Homoeostasis.
3. Functions of spleen.
4. Arterial pulse.
5. Pulmonary function tests.
6. Artificial respiration.
7. Surface tension.
8. Organ of corti.
9. Leucopoiesis.
10. Iron deficiency anemia.

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

1. Thrombosis.
2. Rhodopsin.
3. GFR.
4. Fibrinolysis.
5. Pinocytosis.
6. Pneumothorax.
7. Arrhythmia.
8. Types of antibodies.
9. Nitrogen Narcosis.
10. Pacemaker.

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[LD 1232] **AUGUST 2013** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum: 100 marks**

Answer ALL questions

I. Essay: **(2 x 15 = 30)**

1. Define Blood Coagulation, Describe the mechanisms involved in coagulation and the factors influencing it.
2. Define Arterial Blood Pressure. Describe the nervous regulation of Arterial Blood Pressure.

II. Short Notes: **(10 x 5 = 50)**

1. Lewis Triple Response.
2. Odema.
3. ABO blood groups.
4. Functions of Reticuloendothelial system.
5. Functions of Skin.
6. Properties of cardiac muscle.
7. Decompression sickness.
8. Periodic breathing.
9. Arrhythmia.
10. Hypoxia – Classification and its Causes.

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

1. Respiratory unit.
2. Plasma proteins.
3. Pneumothorax.
4. VO2 max.
5. Angina pectoris.
6. Marey's reflex.
7. Gap junctions.
8. Lymph.
9. Anticoagulants.
10. Purpura.

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[LE 1232] **FEBRUARY 2014** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum: 100 marks**

Answer ALL questions

I. Essay: **(2 x 15 = 30)**

1. Define blood coagulation. Explain in detail about the mechanisms of blood clotting.
2. What is spirometer? Explain in detail about the different volumes and capacities of lung.

II. Short Notes: **(10 x 5 = 50)**

1. Nephron and its functions.
2. Organ of corti.
3. Regulation of body temperature.
4. Components of protoplasm.
5. Erythroblastosis foetalis.
6. Fate of Red blood cells.
7. Arrhythmia.
8. Artificial respiration.
9. Venous return.
10. Juxta glomerular apparatus.

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

1. Specific dynamic action.
2. Dead space air.
3. Polycythemia vera.
4. Innate immunity.
5. S.A Node.
6. Hypoxia.
7. Heart sounds.
8. Dialysis.
9. Sweat gland.
10. Taste buds.

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[LF 1232] **AUGUST 2014** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum: 100 marks**

Answer ALL questions

I. Essay: **(2 x 15 = 30)**

1. Define and classify anemia. Explain in detail about the iron deficiency anemia.
2. Define cardiac cycle. Explain various events during each cardiac cycle.

II. Short Notes: **(10 x 5 = 50)**

1. Spirometer.
2. Functions of spleen.
3. Surfactants.
4. Structure and functions of skin.
5. Micturition reflex.
6. Transport across the cell membrane.
7. Caisson's Disease.
8. Plasma proteins.
9. Visual pathway.
10. Glomerular filtration rate.

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

1. Platelets.
2. Deoxyribo Nucleic Acid
3. Cyanosis.
4. Electro cardiograph.
5. Tissue macrophages.
6. Weber's test.
7. Megaloblastic anemia.
8. Renal threshold.
9. All or None law.
10. Respiratory membrane.

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[LG 1232] **FEBRUARY 2015** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum: 100 marks**

Answer ALL questions

I. Essay: **(2 x 15 = 30)**

1. Define Cardiac Cycle. Write in Detail About its Phases.

2. Define Differential Leucocyte Count. Describe the Different varieties of Leucocytes with their functions.

II. Short Notes: **(10 x 5 = 50)**

1. Basal Metabolic Rate.
2. Lymph.
3. Sarcotubular system.
4. Juxtaglomerular apparatus.
5. Surfactant.
6. Erythroblastosis Foetalis.
7. Visual Pathway.
8. Glycosuria.
9. Heart sounds.
10. Micturition.

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

1. Dialysis.
2. Refractory period.
3. Astigmatism.
4. Immunity.
5. E. C.G.
6. Phagocytosis.
7. Rhodopsin.
8. Tidal volume.
9. Balanced diet.
10. Heart block.

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[LH 1232] **AUGUST 2015** **Sub. Code: 1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code: 581232

Time : Three Hours **Maximum : 100 marks**

Answer ALL questions
Draw diagram wherever necessary

I. Essay Questions: **(2 x 15 = 30)**

1. Define Erythropoiesis. Write in detail the various stages of erythropoiesis and Factors responsible for it.
2. Define Nephron. Write briefly about all its parts and its functions.

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

1. Organ of Corti.
2. Baroreceptors.
3. Antibodies.
4. Lipoproteins.
5. Pulmonary Circulation.
6. Accommodation.
7. Oxygen Transport.
8. Functions of lymphocyte.
9. Refractive errors.
10. Peculiarities of renal circulation.

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

1. Diffusion.
2. Glomerular Filtration Rate.
3. Pacemaker.
4. Sarcomere.
5. Stroke Volume.
6. Vital Capacity.
7. Arterial Pulse.
8. Rigor Mortis.
9. Erythrocyte Sedimentation Rate.
10. D N A.

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[LI 1232] FEBRUARY 2016 **Sub.Code :1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum : 100 Marks**

Answer All questions
Draw diagram wherever necessary

I. Essay Questions: **(2 x 15 = 30)**

1. Explain transport of oxygen in Blood?
2. Describe the factors controlling Heart rate.

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

1. ECG.
2. Surfactant.
3. Glomerular filtration rate.
4. Functions of spleen.
5. Regulation of body temperature.
6. Errors of refraction.
7. Decompression sickness.
8. Lung volumes and capacities.
9. Blood groups.
10. Micturition.

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

1. Marey’s reflex.
2. Immunoglobulins.
3. Haemoglobinopathies.
4. Purpura.
5. Visual receptors.
6. SCUBA.
7. Pacemaker.
8. Tight junctions.
9. Eosinophilia.
10. Essential hypertension.

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[LJ 1232] AUGUST 2016 **Sub.Code :1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum : 100 Marks**

Answer All questions
Draw diagram wherever necessary

I. Essay Questions: **(2 x 15 = 30)**

1. Describe in detail the Pulmonary Function Tests.
2. Describe the mechanism of urine formation.

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

1. Artificial respiration.
2. Organ of corti.
3. Hypoxia.
4. Renal function test.
5. Coagulation factors.
6. Conducting system of heart.
7. Colour blindness.
8. Heart rate.
9. Polycythemia.
10. Erythroblastosis foetalis.

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

1. Dialysis.
2. Define blood pressure.
3. Facultative reabsorption of water.
4. Dead space.
5. Types of WBC.
6. Snellen’s chart.
7. Arterial pulse.
8. Hyperthermia.
9. Lymph.
10. Renin.

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[LK 1232] FEBRUARY 2017 **Sub.Code :1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum : 100 Marks**

Answer All questions
Draw diagram wherever necessary

I. Essay Questions: **(2 x 15 = 30)**

1. Define coagulation of blood. Enumerate the factors involved in it and describe in detail the mechanism of coagulation.
2. Define cardiac output. Write in detail the factors affecting cardiac output and its variations.

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

1. Factors essential for erythropoiesis.
2. Peculiarities of renal circulation.
3. Structure and functions of skin.
4. Visual pathway.
5. Hormonal regulation of blood pressure.
6. Nervous regulation of respiration.
7. Functions of plasma proteins.
8. Juxtaglomerular apparatus.
9. Rh incompatibility.
10. Tests for hearing.

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

1. Cell membrane.
2. Types of immunity.
3. Normal count of red blood cells.
4. Taste buds.
5. Oedema.
6. Serum.
7. Dead space.
8. Tidal volume.
9. Bainbridge reflex.
10. Parts of nephron.

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[LQ 1232] FEBRUARY 2020 **Sub.Code :1232**

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER V – PHYSIOLOGY - I

Q.P. Code : 581232

Time: Three Hours **Maximum : 100 Marks**

Answer All questions
Draw diagram wherever necessary

I. Essay Questions: **(2 x 15 = 30)**

1. Define Cardiac output, explain in detail about the normal values and factors controlling Cardiac output.

2. Explain in detail about the oxygen transport with reference to the oxygen – Hemoglobin dissociation curve and Bohr Effect.

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

1. Diffusion and its characteristics.
2. Functions of mitochondria.
3. Write note on acidosis.
4. Properties of smooth muscles and cardiac muscles.
5. What is Acclimatization?
6. Valves of the heart.
7. Blood coagulation factors.
8. Olfactory receptors.
9. Functions of kidney.
10. Pyrexia – Physiological responses.

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

1. Functions of lymph.
2. Fixed Reticulo – Endothelial cells.
3. Light adaptation.
4. What is surfactant?
5. What is sebaceous gland?
6. Crystalline lens.
7. Donnan equilibrium.
8. Hematocrit values.
9. Dead space air.
10. Vagal tone.

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