





Saturday 05-10-2013 Day: Date:

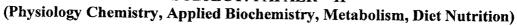
Time: 2:00 P.M. TO 5:00 P.M.

Max. Marks: 100

N. B.:

- 1) All questions are COMPULSORY.
- 2) Figures to the RIGHT indicate full marks.
- 3) Draw DIAGRAMS wherever necessary.
- **Q.1** Describe mechanics of respiration. (25) Define action potential. Describe the events in action potentials. Add a note on (25) **Q.2** properties of action potentials. Discuss the physiology and pharmacology related to cholinergic receptors. **Q.3** (25) **Q.4** Write notes on any TWO of the following: (25)REM sleep a)
 - Deafness tests b)
 - Oedema c)

SUBJECT: PAPAER - II





Day: Monday
Date: 07-10-2013

Muscle blood flow

Time: 2:00 PM-TO 5:00 PM. Max. Marks: 100

N. B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw DIAGRAMS wherever necessary.
- **Q.1** Discuss the regulation of adrenal gland functions. (25)Discuss functions of kidney. Enumerate kidney function tests. **Q.2** (25)Describe digestion and absorption of carbohydrates in gastro - intestinal tract. Q.3 (25)Write notes on any TWO of the following: **Q.4** (25) Cell mediated immunity a) Metabolism in diabetes mellitus b)

PUSHPAVATI: OCT/NOV-2013 SUBJECT: PAPAER – III (Systemic Physiology)



Day: Wednesday

Sarco-tubular system

TO 5:00 P.M.

•	9-10-2013	Max. Marks: 100
N. B.: 1 2 3	Figures to the RIGHT indicate full marks.	
Q.1	Discuss the role of stretch reflex.	(25)
Q.2	Describe event in cardiac cycle. Add a note on heart sou	
Q.3	Define hypoxia. Describe various types of hypoxia.	(25)
Q.4 a)	Write notes on any TWO of the following: Gastric emptying	(25)
b)	Neuro -endocrine reflex	

PUSHPAVATI: OCT/NOV-2013 SUBJECT: PAPAER – IV (History, Biographics, Recent advances)

Day: Friday
Date: 11-10-2013

Pavlov

Time: 2:00 P.M. TO 5:00 P.M. Max. Marks: 100

N. B.:

All questions are COMPULSORY. 1)

2) Figures to the RIGHT indicate full marks.

Draw **DIAGRAMS** wherever necessary. 3)

Q.1		Discuss regulation of body temperature.	(25)
Q.2		Describe mechanism of accommodation for near vision.	(25)
Q.3		Describe structure of functions of platelets.	(25)
Q.4	a) b)	Write notes on any TWO of the following: Male sterility Properties of nerve	(25)

SUBJECT: PAPAER – I

(General Physiology, Cell Physiology, Comparative Physiology, Biophysics)

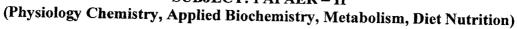


Saturday 05-10-2013 Time: 2:00 P.M. TO 5:00 P.M. Day: Date: Max. Marks: 100 N. B.: 1) All questions are **COMPULSORY**. 2) Figures to the RIGHT indicate full marks. _3) Draw DIAGRAMS wherever necessary. **Q.1** Describe mechanics of respiration. (25)Define action potential. Describe the events in action potentials. Add a note on (25) **Q.2** properties of action potentials. Discuss the physiology and pharmacology related to cholinergic receptors. **Q.3** (25) **Q.4** Write notes on any TWO of the following: (25)REM sleep a) Deafness tests

Oedema

c)

SUBJECT: PAPAER - II



Day: Monday
Date: 07-10-2013 Time: 2:00 PM TO 5:00 PM

Max. Marks: 100 N. B.: 1) All questions are **COMPULSORY**. 2) Figures to the RIGHT indicate full marks. Draw DIAGRAMS wherever necessary. 3) **Q.1** Discuss the regulation of adrenal gland functions. (25)Discuss functions of kidney. Enumerate kidney function tests. **Q.2** (25)Describe digestion and absorption of carbohydrates in gastro - intestinal tract. Q.3 (25)**Q.4** Write notes on any TWO of the following: (25)a) Cell mediated immunity Metabolism in diabetes mellitus b)

Muscle blood flow

PUSHPAVATI: OCT/NOV-2013 SUBJECT: PAPAER - III (Systemic Physiology)



Day Wlednesday

c) Sarco-tubular system

5:00 P.M.

	Time: 2'00 PM TO 5 Max. Marks: 100
Figures to the RIGHT indicate full marks.	
Discuss the role of stretch reflex.	(25)
Describe event in cardiac cycle. Add a note on heart sour	nds. (25)
Define hypoxia. Describe various types of hypoxia.	(25)
Write notes on any TWO of the following: Gastric emptying	(25)
1 2 3	All questions are COMPULSORY. Figures to the RIGHT indicate full marks. Draw DIAGRAMS wherever necessary. Discuss the role of stretch reflex. Describe event in cardiac cycle. Add a note on heart sour Define hypoxia. Describe various types of hypoxia. Write notes on any TWO of the following:

PUSHPAVATI: OCT/NOV-2013 SUBJECT: PAPAER-IV (History, Biographics, Recent advances)



Day: Friday Time: 2:00 P.M.TO 5:00 P.M. Date: 11-10-2013 Max. Marks: 100 N. B.: All questions are COMPULSORY. 1) Figures to the RIGHT indicate full marks. 2) Draw DIAGRAMS wherever necessary. 3) Discuss regulation of body temperature. Q.1 (25) Describe mechanism of accommodation for near vision. **Q.2** (25) Describe structure of functions of platelets. **Q.3** (25)Write notes on any TWO of the following: **Q.4** (25)Male sterility

Properties of nerve

Pavlov

b)

c)

M. Sc. (medical

physiolog PUSHPAWATI:OCT./NOV. 2011 SUBJECT: PAPER-I (General Physiology, Cell Physiology, Comparative Physiology, Biophysics) : saturdar Time : 2.00 PM TO 5:00 Day : 08-10-2011 Max. Marks: 100 Date N.B. All questions are COMPULSORY. 1) 2) Figures to the right indicate FULL marks. 3) Draw diagrams WHEREVER necessary.

Q.1 Discuss various transports across cell membrane. (25)
Q.2 Discuss mechanics of respiration. (25)
Q.3 Discuss various hemodynamic principles. (25)
Q.4 Write notes on any TWO: (25)
a) Endocochlear potential

Evolution of four chambered heart

Positive feed back mechanisms

PUSHPAWATI: OCT./NOV.- 2011 PAPER-II (Physiology) Applied Ricchemistry, Metabolisms, Diet. Nutrition



(Physiologic Chemistry, Applied Biochemistry, Metabolisms, Diet, Nutrition)

Time : 2:00 P.M. TO 5:00 P.M. : Monday : 10-10-2011 Day Max. Marks: 100 Date N.B. All questions are COMPULSORY. 1) Figures to the right indicate FULL marks. 2) Draw diagrams WHEREVER necessary. 3) (25)Discuss cholesterol metabolism with its applied importance. **Q.1** Discuss hormonal regulation of serum calcium level. (25)**Q.2** Discuss digestion and absorption of proteins in gastrointestinal tract. Add a **Q.3** note on protein malnutrition. (25)Write notes on any TWO: **Q.4** a) Abnormal haemoglobins Therapeutic uses of enzymes Hypothyroidism

PUSHPAWATI: OCT./NOV. 2011 SUBJECT: PAPER-III (Physiology)





Day: Wednesday Date: 12-10-2011 Time : 2:00 PM. TO 5:00 PM.

Max. Marks: 100

N.B.

- 1) All questions are COMPULSORY.
- 2) Figures to the right indicate FULL marks.
- 3) Draw diagrams WHEREVER necessary.
- Q.1 Discuss regulation of muscle tone. (25)
 Q.2 Discuss factors affecting local blood flow regulation. Add a note on coronary circulation.
 Q.3 Discuss neurophysiology of vision. (25)
 Q.4 Write notes on any TWO: (25)
 - a) Functions of proximal and distal convoluted tubules
 - b) Phlebogram
 - c) Cytotoxic killer T cells.

PUSHPAWATI: OCT./NOV. 2011 SUBJECT: PAPER-IV (Physiology)



(History, Biographics, Recent Advances)

Time : 2:00 P.M. TO 5:00 P.M. : Friday : 14-10-2011 Day Max. Marks: 100 Date N.B. All questions are COMPULSORY. 1) Figures to the right indicate FULL marks. 2) Draw diagrams WHEREVER necessary. 3) Discuss neurophysiology of pain. Add a note on analgesic system. (25)**Q.1** Classify mechanisms of regulation of blood pressure. Add a note on essential (25) **Q.2** hypertension. (25)Discuss regulation of posterior pituitary hormones. **Q.3** (25)Write notes on any TWO: **Q.4** a) Tests to investigate a case of sterility

b) Pavlov's experiments

Ventilation perfusion ratio