Q.P.Code: 101014 **Reg. No.:……**

First Year BPT Degree Supplementary Examinations - March 2014

(2010 scheme)

Anatomy

Time : 3 hrs **Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays **(2x10=20)**

1. Describe the gluteal muscles in detail.
2. Name the endocrine glands. Describe the thyroid gland in detail.

Short notes **(10x5=50)**

3. Testis.
4. Sciatic nerve.
5. Clavicle.
6. Cerebellum
7. Pancreas.
8. Femoral artery
9. Histology of bone.
10. Kidney.
11. Facial nerve
12. Ankle joint.

Answer briefly **(10x3=30)**

13. Popliteus
14. Wrist drop.
15. Arch of aorta
16. Diaphragm.
17. Trigone of urinary bladder.
18. Hip bone.
19. Pronation of forearm
20. Larynx.
21. Three layers of a blood vessels.
22. Salivary gland

****

Q.P.Code 102014 **Reg. No.:……**

First Year BPT Degree Supplementary Examinations - March 2014

(2010 scheme)

PHYSIOLOGY

Time : 3 hrs **Max marks : 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: **(2x10=20)**

1. Describe in detail the composition, functions and regulation of pancreatic juice.
2. Draw the structure of nephron. Explain the mechanism of urine formation.

Short notes: **(10x5=50)**

3. Coronary circulation
4. Excitation-contraction coupling
5. Posterior pituitary hormones
6. Lung volumes and capacities
7. Functions of liver
8. Spermatogenesis
9. Cerebrospinal fluid
10. Dialysis
11. Myxoedema
12. Cell organelles

Answer briefly: **(10x3=30)**

13. Bell magendie law
14. Anticoagulants
15. Cholecystokinin-pancreozymin
16. Diabetes mellitus
17. Eosinophilia
18. Hormones regulating calcium homeostasis
19. Resting membrane potential
20. Hering-bruer's reflex
21. Colour vision
22. Definition of cardiac output

****

Reg. No.: ……

First Year BPT Degree Supplementary Examinations - March 2014

(2010 scheme)

Time: 3 hrs **Max marks: 100**

- Answer all questions
- Write section A and section B in separate answer books. Do not mix up questions from section A and section B.

Q P Code: 104014 Section A – Psychology Marks: 50

Essay: **(10)**

1. What are emotions. Explain the theories of emotion

Short notes: **(5x5=25)**

2. Explain perceptual constancies
3. What are the different ways to asses intelligence
4. Elucidate psychosocial motives
5. What do you understand by creative thinking.
6. 'A healthy lifestyle helps to reduce stress'- Examine this statement

Answer briefly: **(5x3=15)**

7. Intelligence
8. Leadership
9. Projective techniques
10. Formulation of attitude
11. Introjections

Q P Code: 105014 Section B – Sociology Marks: 50

Essay: **(10)**

1. Define sociology and explain the importance of sociology with special reference to health care professionals

Short notes: **(5x5=25)**

2. Demerits of rural community
3. Family and nutrition
4. Social changes and stress
5. Role of community in public health
6. Alcoholism and it impacts on health

Answer briefly: **(5x3=15)**

7. Types of culture
8. Define health
9. Social survey
10. Any three causes of beggary
11. Benefits of ESI act.

****

Q.P.Code: 111014 (2012 - scheme) **Reg. No.:……**

First Year BPT Degree Supplementary Examinations - March 2014

(2012 - scheme)

Anatomy

Time : 3 hrs **Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays **(2x14=28)**

1. Describe the sciatic nerve under the following headings:

● Root value ● Course and relations ● Branches ● Applied anatomy (2+6+3+3)

2. Describe the superolateral surface of left cerebral hemisphere under the following headings:

● Lobes ● Sulci and gyri ● Functional areas ● Blood supply (2+5+5+2)

Short notes **(4x8=32)**

3.Thyroid gland

4.Femoral triangle

5.Muscles of mastication

6.Pericardium

Answer briefly **(10x4=40)**

7. Microscopic structure of thick skin

8. Ossification

9. Arches of foot

10. Rotator cuff

11. Digastric triangle

12. Formation of Germ Layers

13. Soft palate

14. Maxillary artery and its branches

15. Lobes of prostate gland

16. Interossei of hand

****

Q.P.Code 112014 (2012 - Scheme) **Reg. No.:……**

First Year BPT Degree Supplementary Examinations - March 2014

(2012 - Scheme)

PHYSIOLOGY

Time : 3 hrs **Max marks : 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: **(2x14=28)**

1. Define blood pressure. Mention its normal values. Explain short term and long term mechanisms of its regulation

2. Define and classify hypoxia. Add a note on artificial respiration
.

Short notes: **(4x8=32)**

3. Surfactant

4. Functions of blood

5. Stages of spermatogenesis

6. Dark adaptation

Answer briefly: **(10x4=40)**

7. Heart sounds

8. Name various lung volumes and capacities

9. Name the components of reflex arc

10. List the functions of platelets

11. Physiological classification of sensory receptors

12. Name four hormones of anterior pituitary gland and give one action for each

13. Define GFR and mention its normal value

14. Saltatory conduction

15. List the functions of saliva

16. Name the photoreceptors and mention its functions.

****

Q.P.Code: 101014 (Old Scheme) **Reg. No.:……**

First Year BPT Degree Supplementary Examinations, April 2016

(2010 Scheme)

Anatomy

Time : 3 hrs **Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays **(2x10=20)**

1. Describe the radioulnar joints in detail and add a note on its applied anatomy.
2. Describe the carotid triangle in detail. Add a note on its applied anatomy

Short notes **(10x5=50)**

3. Histology of lymph node
4. Oogenesis
5. Posterior mediastenum
6. Right coronary artery
7. Posterior relations of stomach
8. Lymphatic drainage of breast
9. Endocrine part of pancreas
10. Sutural joints
11. Popliteal fossa
12. Superior colliculus of midbrain

Answer briefly **(10x3=30)**

13. Mention the histological layers of a blood vessel
14. Mention the parts of the axial skeleton
15. Intercostal muscle
16. Mention the capsules of the thyroid gland and where they are derived from.
17. Differences between skeletal and cardiac muscle
18. Mention the contents of axilla
19. Sensory nerve supply of dorsum of foot
20. Mention the parts of orbicularis oculi muscle and their actions
21. Mention the features of a typical rib
22. Mention the components of basal ganglia

****

Q.P.Code: 101014 **Reg. No.:..... .**

First Year **BPT** Degree Supplementary Examinations - March 2013

Anatomy

Time: 3 hrs **Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays **(2x10=20)**

1. Classify synovial joints with suitable example. Describe shoulder joint in detail.
2. Name the parts of respiratory system. Describe the gross anatomy of lung.

Short notes **(10x5=50)**

3. Radial nerve.
4. Thyroid gland.
5. Stomach.
6. Ligaments of knee joint.
7. Urinary bladder.
8. Heart.
9. Femoral triangle.
10. Blood supply of Cerebrum.
11. Sternocleidomastoid muscle
12. Gross anatomy of Spinal cord.

Answer briefly **(10x3=30)**

13. Name the muscle supply and applied anatomy of oculomotor nerve.
14 Lumbricals of hand.
15. Bell's palsy
16. Biceps brachii
17. Typical thoracic vertebra
18. Abdominal aorta
19. Derivatives of mesoderm
20. Tongue.
21. Pancreas.
22. Types of cartilage with suitable example.

****

Q.P.Code: 101014 **Reg. No.:……**

First Year BPT Degree **Supplementary** Examinations - September 2013

(2010 scheme)

Anatomy

Time : 3 hrs **Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays **(2x10=20)**

1. Describe the hip joint in detail.
2. Explain the chambers of heart in detail

Short notes **(10x5=50)**

3. Inversion and eversion of foot.
4. Carpal tunnel syndrome
5. Rectus abdominal muscle
6. Popleteal fossa.
7. Supports of uterus
8. Brachial artery.
9. Muscles of mastication
10. Corticospinal tract
11. Scapula.
12. Arches of foot.

Answer briefly **(10x3=30)**

13. Wrist joint
14. Oseophagus.
15. Supinator muscle.
16. Muscles of facial expression
17. Circle of willis
18. Serratus anterior muscle
19. Parts of humerus
20. Blood supply of long bone.
21. Liver.
22. Axillary nerve.

****

Q.P.Code: 111014 (2012 - scheme) **Reg. No.:……**

First Year BPT Degree Examinations - September 2013

(2012 - scheme)

Anatomy

Time : 3 hrs **Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays **(2x14=28)**

1.Describe the brachial plexus under the following headings:

● Roots ● Trunks ● Cords ● Branches. Add a note on erb`s paralysis

(3+3+3+3+2)

2. Give classification of synovial joints. Describe shoulder joint in detail 7+7

Short notes **(4x8=32)**

3. Adductors of the thigh

4.Midbrain at the level of superior colliculus

5.Diaphragm

6.Posterior triangle of neck

Answer briefly **(10x4=40)**

7.Wrist drop

8.Sesamoid bone

9.Microscopic structure of elastic cartilage

10.Spermatogenesis

11.Bronchopulmonary segments

12.Dorsalis pedis artery

13.Nucleus of animal cell

14.Epiphysis

15.Lumbricals of hand

16.Name the muscles of soft palate

****

Q.P.Code: 101014 **Reg. No.:……**

First Year BPT Degree Supplementary Examinations - March 2014

(2010 scheme)

Anatomy

Time : 3 hrs **Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays **(2x10=20)**

1. Describe the gluteal muscles in detail.
2. Name the endocrine glands. Describe the thyroid gland in detail.

Short notes **(10x5=50)**

3. Testis.
4. Sciatic nerve.
5. Clavicle.
6. Cerebellum
7. Pancreas.
8. Femoral artery
9. Histology of bone.
10. Kidney.
11. Facial nerve
12. Ankle joint.

Answer briefly **(10x3=30)**

13. Popliteus
14. Wrist drop.
15. Arch of aorta
16. Diaphragm.
17. Trigone of urinary bladder.
18. Hip bone.
19. Pronation of forearm
20. Larynx.
21. Three layers of a blood vessels.
22. Salivary gland

****

Q.P.Code: 1114 **Reg. No.:.....**

First Year BPT Degree Supplementary Examinations - May 2012

Anatomy

Time: 3 hrs Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays (2x10=20)

1. Describe the brachia! plexus in detail and add a note on its applied anatomy.
2. Describe the boundaries, subdivisions and contents of Inferior mediastenum.

Short notes (10x5=50)

3. Supinator muscle.
4. Axillary lymph nodes.
5. Popliteal fossa.
6. Ankle joint.
7. Inferior vena cava.
8. Epiphysis.
9. Bronchopulmonary segments of right lung.
10. Nasal septum.
11. Sub occipital triangle.
12. Medulla oblongata at the level of pyramidal decussation.

Answer briefly (10x3=30)

13. Peculiarities of clavicle.
14. Median cubital vein.
15. Femoral artery.
16. Sensory nerve supply of dorsum of foot.
17. Name the parts and blood supply of gall bladder.
18. Levator ani muscle.
19. Secondary cartilaginous joint.
20. Atlas vertebra.
21. .Typical intercostal nerve.
22. Mention the cranial nerve nuclei present in brain stem.

****

Q.P.Code: 101014 (Old Scheme) **Reg. No.:……**

First Year BPT Degree Supplementary Examinations - September 2014

(2010 Scheme)

Anatomy

Time : 3 hrs **Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays **(2x10=20)**

1. Describe the shoulder joint in detail and add a note on its applied anatomy.
2. Describe the posterior traingle of the neck in detail. Add a note on its applied anatomy

Short notes **(10x5=50)**

3. Nerve supply of tongue.
4. Superficial palmar arch.
5. Right atrium.
6. Fallopian tube
7. Inter vertebral disc.
8. Ovary
9. Lateral ventricle
10. Epiphysis.
11. Sciatic nerve
12. Broncho pulmonary segments.

Answer briefly **(10x3=30)**

13. Diaphragm
14. Larynx.
15. Kidney.
16. Pattella.
17. Erb's point
18. Median cubital vein
19. Atlas of vertebra.
20. Arch of aorta.
21. Greater omentum
22. Inversion

****

QPCode: 101014 Reg No:……..

First Year BPT Degree Examinations - September 2012

Anatomy

Time: 3 hrs Max marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays (2x10=20)

1. Describe the shoulder joint in detail and add a note on its applied anatomy.
2. Describe the carotid triangle of the neck in detail. Add a note on its applied anatomy.

Short notes **(2x10=20)**

3. Fertilisation.
4. Superficial palmar arch.
5. Gluteus maximus muscle.
6. Lateral longitudinal arch.
7. Sesamoid bones. 8. Ovary.
9. Right atrium.
10. Nerve supply of tongue.
11. Blood supply of thyroid gland.
12. Superior colliculus.

Answer briefly **(10x3=30)**

13. Inversion.
14. Thenar muscles. 15. Medial meniscus. 16. Saddle joint.
17. Coeliac trunk.
18. Vas deferens.
19. Minor openings of diaphragm. 20. Pericardium.
21. . Middle meatus of nose.
22. Basillar artery.

****

Q.P.Code 103014 (Old scheme) **Reg. No.:……**

First Year BPT Degree Supplementary Examinations, April 2016

(2010 scheme)

Biochemistry and Nutrition

Time : 3 hrs **Max marks : 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: **(2x10=20)**

1. Classify carbohydrates,. Describe the EMP pathway in brief. Add a note on Diabetes Mellitus
2. Explain the source, RDA, functions and deficiency manifestations of vitamin A

Short notes: **(10x5=50)**

3. Dietary fiber
4. Competitive enzyme inhibition
5. Mucopolysaccharides
6. Lactose intolerance
7. Basal metabolic rate
8. Creatinine clearance test
9. Disorders of urea cycle
10. Hormonal regulation of blood sugar
11. Compounds synthesized from tyrosine
12. Electron transport chain

Answer briefly: **(10x3=30)**

13. Significance of gluconeogenesis
14. Lipoprotein lipase
15. Metabolic acidosis
16. Simple proteins
17. Marasmus
18. Scurvy
19. Positive nitrogen balance
20. Electrophoresis
21. Antioxidants
22. Ketone bodies

****

Q.P.Code 103014 **Reg. No.:……**

First Year BPT Degree Supplementary Examinations - March 2014

(2010 scheme)

Biochemistry and Nutrition

Time : 3 hrs **Max marks : 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: **(2x10=20)**

1. Discuss the oxidation of acetyl CoA in the citric acid cycle and its energetics
2. Explain the sources, dietary requirement and metabolism of iron

Short notes: **(10x5=50)**

3. Classification of enzymes
4. Biologically important peptides
5. Regulation of calcium level
6. Synthesis and functions of nitric oxide
7. Mechanism of oxidative phosphorylation
8. Explain vitamin D as a hormone
9. Ketogenesis
10. Rappaport-Leubering cycle
11. Biological membrane
12. Vitamin A deficiency

Answer briefly: **(10x3=30)**

13. Isoenzymes
14. Respiratory acidosis
15. Ceruloplasmin
16. Lipotropic factors
17. Types of RNAs and its functions
18. Kwashiorkor
19. Compounds synthesized from tyrosine
20. Dehydration
21. Chromatography
22. Pellagra

****

Q.P.Code 1314 **Reg. No.:..... .**

First Year **BPT** Degree Supplementary Examinations - May 2012

Biochemistry and Nutrition

Time: 3 hrs **Max marks : 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: **(2x10=20)**

1. What is urea and describe its formation.

2. What is normal fasting and post prandial blood sugar level and add a note on its regulation.

Short notes: **(10x5=50)**

3. Amylase and amylopectin.
4. Plasma proteins.
5. Mechanism of enzyme action.
6. Gluconeogenesis.
7. Functions of calcium.
8. Define glycosuria and its different types.
9. Role of kidney in acid – base homeostasis.
10. Clinically important enzymes.
11. Beri - beri and pellagra.
12. Significance of HMP pathway.

Answer briefly: **(10x3=30)**

13. Cholesterol.
14. Name fat soluble vitamins.
15. Basal Metabolic Rate.
16. Enzymes involved in digestion of proteins.
17. P:O ratio.
18. Lipotrophic factors.
19. Difference between prokaryotic and eukaryotic cell.
20. Rickets.
21. FIGLU.
22. Hemochromatosis.

****

Q.P.Code 103014 **Reg. No.:……**

First Year BPT Degree **Supplementary** Examinations - September 2013

(2010 scheme)

Biochemistry and Nutrition

Time : 3 hrs **Max marks : 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: **(2x10=20)**

1. Describe the steps in the urea cycle. Mention its disorders
2. Explain the sources, dietary requirement, biochemical functions and deficiency manifestations of vitamin A

Short notes: **(10x5=50)**

3. Factors influencing enzyme activity
4. Classification of carbohydrates
5. Basal metabolic rate
6. Glucose tolerance test
7. Metabolic acidosis
8. Compounds synthesized from glycine and their functions
9. Functions of vitamin B6
10. Watson & Crick model of DNA
11. Denaturation of proteins
12. Deficiency of calcium

Answer briefly: **(10x3=30)**

13. Wilson's disease
14. Hyperglycemia
15. mRNA
16. Active transport
17. Colorimetry
18. Dietary fibers
19. Significance of hexose monophosphate (HMP) path way
20. Oxidation of pyruvate to acetyl coA
21. Functions of bile salts
22. Alkaptonuria

****

Q.P.Code 103014 (Old scheme) **Reg. No.:……**

First Year BPT Degree Supplementary Examinations - September 2014

(2010 scheme)

Biochemistry and Nutrition

Time : 3 hrs **Max marks : 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: **(2x10=20)**

1. What is urea and describe its formation
2. Describe the source, functions and deficiency manifestations of vitamin A

Short notes: **(10x5=50)**

3. Significance of HMP pathway
4. Transaminases and its significance
5. Gluconeogenesis
6. Disaccharides
7. Classification of enzymes
8. Protein-energy malnutrition
9. Biochemical functions of ascorbic acid
10. Creatinine clearance
11. Glycogenolysis
12. GTT

Answer briefly: **(10x3=30)**

13. Anion gap
14. Ketosis
15. LDL
16. Lactose intolerance
17. Cholesterol
18. Cori's cycle
19. Lipoproteins
20. Antioxidants
21. Gout
22. Biochemical functions of calcium

****

Q.P.Code 103014 **Reg. No.:.....**

First Year BPT Degree Examinations - September 2012

Biochemistry and Nutrition

Time: 3 hrs **Max marks : 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: **(2x10=20)**

1. Describe the process of glycolysis with its energetics.
2. Describe the source, functions and deficiency manifestations of vitamin A.

Short notes: **(10x5=50)**

3. Essential fatty acids and its functions.
4. Purine and pyrimidine bases.
5. Enzyme inhibition.
6. Oxidative phosphorylation.
7. GTT.
8. Phenyl ketonuria and albinism.
9. Factors affecting calcium absorption.
10. Types of jaundice.
11. Difference between kwashiorkor and marasmus.
12. Transaminases and its significance.

Answer briefly: **(10x3=30)**

13. Mitochondria.
14. Color reactions of amino acids.
15. Define Km.
16. Ketosis.
17. Biological actions of prostaglandins.
18. Maple syrup urine disease.
19. Ketone bodies.
20. Cytochrome P 450.
21. Chargaff's rule.
22. Anion gap.

****

Q.P.Code 1314 **Reg. No.:..... .**

First Year **BPT** Degree Supplementary Examinations - May 2012

Biochemistry and Nutrition

Time: 3 hrs **Max marks : 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: **(2x10=20)**

1. What is urea and describe its formation.

2. What is normal fasting and post prandial blood sugar level and add a note on its regulation.

Short notes: **(10x5=50)**

3. Amylase and amylopectin.
4. Plasma proteins.
5. Mechanism of enzyme action.
6. Gluconeogenesis.
7. Functions of calcium.
8. Define glycosuria and its different types.
9. Role of kidney in acid – base homeostasis.
10. Clinically important enzymes.
11. Beri - beri and pellagra.
12. Significance of HMP pathway.

Answer briefly: **(10x3=30)**

13. Cholesterol.
14. Name fat soluble vitamins.
15. Basal Metabolic Rate.
16. Enzymes involved in digestion of proteins.
17. P:O ratio.
18. Lipotrophic factors.
19. Difference between prokaryotic and eukaryotic cell.
20. Rickets.
21. FIGLU.
22. Hemochromatosis.

****