

MODEL QUESTION PAPER

BPT I YEAR DEGREE EXAMINATION PAPER I ANATOMY

Time: 3 Hours

Max. Marks: 100

(Draw diagrams where necessary)

I. Essays

1. Classify joints. Explain hip joint in detail. **(1 x 10 m = 10 Marks)**
2. Describe anatomy of urinary system **(1 x 10 m = 10 Marks)**

II. Short notes

1. Radius.
2. Spinal cord.
3. Glutes maximus.
4. Stomach.
5. Pericardium
6. Pituitary gland.
7. Intercostal muscles.
8. Tibial nerve.
9. Smooth muscle.
10. Interosseous membrane.

(10 x 5 m = 50 marks)

III. Short answers

1. Pronation.
2. Cubital fossa.
3. Lumbar vertebrae.
4. Transitional epithelium.
5. Circle of Willis.
6. Palmar aponeurosis.
7. Palatine tonsil.
8. Fallopian tube.
9. Sternal angle.
10. Adductor canal

(10x3 m = 30 marks)

MODEL QUESTION PAPER

BPT I YEAR DEGREE EXAMINATION PAPER II PHYSIOLOGY

Time: 3 Hours

Max. Marks: 100

(Draw diagrams where necessary)

I. Essays

1. Explain cardio respiratory changes during exercises **(5m+5m = 10 marks)**
2. Describe the Lateral Spinothalamic tract of spinal cord with a diagram. Enumerate the sensations carried by these tracts. **(8m+2m = 10marks)**

II. Short notes

1. Micturition reflex
2. Contraception
3. Insulin and its function
4. Hypoxia
5. Cerebro Spinal Fluid
6. Lactation
7. Functions of WBC
8. Reflex arc
9. Mechanism of Muscle contraction
10. Neuromuscular transmission **(10 x 5m = 50 marks)**

II. Short answers

1. Functions of Placenta.
2. Functions of Hypothalamus
3. Functions of Anti Diuretic Hormone
4. Functions of Plasma Protein
5. Juxtaglomerular apparatus.
6. Ovulation.
7. Electro Cardio Gram
8. Stretch reflex
9. Define Erythrocyte Sedimentation Rate
10. Conduction Deafness **(10x3m = 30 marks)**

MODEL QUESTION PAPER
BPT I YEAR DEGREE EXAMINATION

PAPER III BIOCHEMISTRY AND NUTRITION

Time: 3 Hours

Max. Marks: 100

(Draw diagrams where necessary)

I. Essays

1. Describe the classification of carbohydrates with examples. **(1 x 10 m = 10 Marks)**
2. Explain the electron transport system & mechanism of oxidative phosphorylation. **(1 x 10 m = 10 Marks)**

II. Short notes

1. Endoplasmic reticulum
2. Active site of an enzyme
3. Role of Insulin in metabolism.
4. Digestion and Absorption of protein
5. Explain Gluconeogenesis.
6. Explain β oxidation
7. Describe the biochemical function of vitamin A
8. Structure and organization of DNA
9. Describe Electrophoresis
10. Balanced diet **(10 x 5 m = 50 marks)**

III. Short answers

1. Renal function test
2. Explain pH acid, Base and Buffer
3. Biochemical role of calcium
4. Liver function test
5. Difference between Essential & Non essential fatty acid.
6. Difference between glucogenic & ketogenic amino acid.
7. Atherosclerosis
8. Define the terms BMI & BMR
9. Marasmus
10. Recommended daily allowance of diet. **(10x3m = 30 marks)**

MODEL QUESTION PAPER
BPT I YEAR DEGREE EXAMINATION

PAPER IV PSYCHOLOGY AND SOCIOLOGY

Time: 3 Hours

Max. Marks: 100

Section A Psychology

I. Essays

1. Theories of learning

(1 x 10m = 10 mark)

II. Short notes

1. Study methods in psychology
2. Factors of attention
3. Maslov's need hierarchy theory
4. Psycho dynamic theory of personality (Freud)
5. Causes of individual difference

(5 x 5m = 25 marks)

II. Short answers

1. I Q
2. Extrinsic motivation
3. components of emotion
4. Persuasion
5. Mnemonics

(5 x 3m = 15 marks)

Section B sociology

III. Essays

1. Explain the different methods of sociological investigations. (1 x 10m = 10 mark)

II. Short notes

1. Explain the importance of family on individual's health
2. Explain the importance of study of sociology for health care professionals
3. Explain the role of medical social worker
4. What are the features and health hazards of rural community
5. How is sociology related to anthropology, psychology and social psychology

(5 x 5m = 25 marks)

III. Short answers

1. Socialization
2. Culture
3. Stress
4. Social change
5. Define Sociology

(5 x 3m = 15 marks)