

FIRST YEAR BPT DEGREE EXAMINATIONS
(Model Question Paper -2012 Batch)

Anatomy

Time: 3hrs

Maximum marks: 100

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

Essay

(2x14=28)

1. Describe the shoulder joint in detail. Add a note on its clinical importance.

(10+4=14)

2. Describe the cerebrum under the following headings:

- Surface, border, lobes
- Important sulci+ gyri in each lobe.
- Functional areas.

(4+5+5=14)

Short essays

(4x8=32)

3. Carotid triangle of neck.

4. Blood supply of heart.

5. Brachial plexus.

6. Femoral triangle.

Short answers

(10x4=40)

7. Circle of willis.

8. Facial nerve.

9. Arches of foot.

10. Histological structure of compact bone.

11. Cartilaginous joint.

12. Lateral wall of nasal cavity.

13. Pituitary gland.

14. Bronchopulmonary segments of right lung.

15. Atlas vertebra.

16. Inferior vena cava.

QP Code:

Reg. No.:.....

FIRST YEAR BPT DEGREE EXAMINATIONS
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Physiology

Time: 3 hrs

Maximum marks: 100

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

Essays

(2x14=28)

1. Define blood pressure. What are the types of BP. Describe the long term, short term and intermediate regulation of BP. (2+2+5+3+2)
2. Explain regulation of respiration in detail. (14)

Short essays

(4x8=32)

3. List any two sensory pathways. Explain the pathway for pain with the help of a neat labelled diagram.
4. Define anemia. Explain its different types.
5. Name the hormones secreted by endocrine pancreas. Explain how these hormones regulate the glucose metabolism.
6. Define swallowing and its different types.

Short answers

(10x4=40)

7. Juxtaglomerular apparatus
8. Rigor mortis
9. Organ of Corti
10. Passive transport
11. Functions of placenta
12. Periodic breathing
13. EEG
14. Acromegaly
15. Jaundice
16. Defecation

QP Code:

Reg. No.:.....

FIRST YEAR BPT DEGREE EXAMINATIONS
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Biomechanics and Kinesiology

Time: 3 hrs

Maximum marks: 100

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

Essay

(2x14=28)

1. Define gait. Describe about the phases of gait cycle in walking. Write the temporal and distance variables of gait. (2+8+4=14)
2. Define posture. Types of postures. Describe the analysis of standing posture in sagittal plane (2+5+7=14)

Short essays

(4x8=32)

3. Explain extensor mechanism of hand.
4. Explain lever system with examples and diagram.
5. Explain scapulohumeral rhythm.
6. Explain the structure of typical synovial joint.

Short answers

(10x4=40)

7. Planes of axis of human joint motion.
8. Passive insufficiency.
9. Genu varum and genu valgum.
10. Claw toes and hammer toes.
11. Lumbopelvic rhythm.
12. Angle of winberg.
13. Locking mechanism of knee.
14. Sliding filament theory.
15. Pes planus foot and pes cavus foot.
16. Scoliosis

FIRST YEAR BPT DEGREE EXAMINATIONS
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Psychology & Sociology

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*
- *Write SECTION A and SECTION B in separate Answer books.*
Do not mix up questions from Section A and Section B.

QP Code:

Section A – Psychology

Marks:50

Essay:

(14)

1. Application of stress management in the field of physiotherapy

Short essays

(2x8=16)

2. What are the different stages of development in the life span of a human being.

3. Explain various kinds of defense mechanisms and its effects in copying .

Short answers

(5x4=20)

4. Structuralism

5. Illusion

6. Oedipus complex and Electra complex

7. Form perception

8. Selective listening

QP Code:

Section B – Sociology

Marks:50

Essay:

(14)

1. Describe how social planning in the improvement of health and rehabilitation can be made use of by a physiotherapist.

Short essays:

(2x8=16)

2. Explain briefly the different methods of sociological investigation.

3. What are the relevant social factors in the health and illness.

Short notes:

(5x4=20)

4. Socialization.

5. Definition and scope of sociology.

6. Health programme and social change.

7. Poverty and unemployment.

8. Social work.