

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

**Bachelor of Physiotherapy (BPT)
First Year (Semester-II) July-2017 Examination**

Time : 2.00 Hrs.

[Max. Marks : 50]

PAPER-I

ANATOMY

Q.P Code : BPT-101

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY (Answer any two)

2 X 10 = 20 Marks

1. Describe the temporomandibular joint. Under following questions.
a) Type b) Ligaments c) Articular capsule d) Movements e) Blood and nerve supply,
add note on muscles of mastication.
2. Describe Lateral wall of nose.
3. Describe the external features of stomach with location, parts, shape, blood supply, nerve supply and peritoneal relations.

SHORT ESSAY

3X 5 = 15 Marks

4. Microscopic anatomy of thick skin
5. Supports of uterus.
6. Transverse section of medulla at pyramidal decussation.

SHORT ANSWER

5 X 3 = 15 Marks

7. Structures passing through foramen magnum.
8. List the muscles of soft palate.
9. Blood supply of adrenal gland.
10. Branches of external carotid artery.
11. Coverings of testis.

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PAPER-III

BIOCHEMISTRY

Q.P Code : BPT-103

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY (Answer any two)

2 X 10 = 20 Marks

1. Name the ketone bodies. Explain the reactions leading to formation and utilization of ketone bodies.
2. Describe the reactions of citric acid cycle and add a note on energetics.
3. Give the sources, RDA, digestion, absorption and function of Iron.

SHORT ESSAY

3X 5 = 15 Marks

4. Classify jaundice. Give an account of the biochemical tests which will help in differentiating the types of jaundice.
5. What is hypercholesterolemia and explain its effects in detail.
6. Name the renal clearance tests. Give details of any one of them.

SHORT ANSWER

5 X 3 = 15 Marks

7. Give the structure and function of glycoproteins.
8. Give the definition of transamination with example.
9. Rothera's test. Principle and clinical importance.
10. What is the normal PH of Blood? List different systems involved in maintenance of acid-base balance in our body.
11. Define BMR. List any 4 factors that affect BMR.

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PAPER-II

PHYSIOLOGY

Q.P Code : BPT-102

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY (Answer any two)

2 X 10 = 20 Marks

1. Name the hormone released from the posterior pituitary. Explain the functions of those hormones.
2. Define referred pain. Describe the theories of referred pain.
3. Explain the functions of hypothalamus.

SHORT ESSAY

3X 5 = 15 Marks

4. What is hypermetropia? Write corrective measure for it.
5. Brown sequard syndrome.
6. Tabulate the differences between upper and lower motor neuron lesions.

SHORT ANSWER

5 X 3 = 15 Marks

7. Enumerate importance of EEG.
8. Give the source of adrenalin and its action on heart.
9. Acute effect of exercise on respiratory system.
10. List the functions of middle ear.
11. Draw a neat labelled diagram of reflex arc. Give example for deep reflexes.

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PAPER-V

[Max. Marks : 50]

Psychology and Sociology

Section-A

Psychology

Q.P Code : BPT-105A

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

(Use separate answer booklet for section A & B)

SHORT ESSAY

5 X 5 = 25 Marks

1. What is intelligence? Describe the distribution of intelligence.
2. Discuss 'Deductive' VS 'Inductive' reasoning.
3. What are the factors affecting effective learning.
4. Discuss five defence mechanisms
5. What is leadership? Enumerate different types of leaders?

Section – B

Sociology

Q.P. Code : BPT-105B

(Use separate answer booklet for section B)

SHORT ESSAY

5 X 5 = 25 Marks

1. Explain human adaptation to social change.
2. Define culture. Explain the influence of culture on health.
3. Causes and measures to control population explosion.
4. Meaning of social work.
5. Effects of alcoholism.

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[Max. Marks : 50]

PAPER-IV

BIOMECHANICS

Q.P Code : BPT-104

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY (Answer any two)

2 X 10 = 20 Marks

1. Define posture and postural control. Discuss the kinetic and kinematics of postural control.
2. Discuss the structure and function of sub talar joint.
3. Describe the type of movements, axis of motion and range of motion, of the radio carpal, midcarpal joint and total wrist complex.

SHORT ESSAY

3X 5 = 15 Marks

4. Discuss the determinants of gait.
5. Describe the movement analysis from sitting to standing.
6. Discuss the coordinated motion of lumbar spine and hip complex.

SHORT ANSWER

5 X 3 = 15 Marks

7. Indications for using crutches.
8. List few principles of goniometry.
9. Define Q angle.
10. Give the osteokinematics of first CMC joint.
11. Define PES planus and causes of pesplanus.

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