

BPT, March-2025

BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max.Marks:40 marks]

III SEMESTER

PAPER – I (Pathology/Microbiology)

QP CODE: 8320/8319

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

QP CODE: 8320 (Pathology)

Long Questions

10X1 = 10 Marks

1. Define neoplasm. Name different types of carcinogens. Write the differences between benign and malignant tumors. (1+4+5)

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Define gangrene. Mention the differences between dry and wet gangrene.
3. Discuss mode of spread and clinical features of malaria.
4. Name the types of hypersensitivity reactions with two examples of each.
5. Types of wound healing.
6. Classify anemias.

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Give four examples of genetic diseases.
8. What is cross matching? What are its types?
9. Name types of shock.
10. Modes of transmission of HIV.
11. Give four examples of Granulomatous inflammation.
12. Write four causes of thrombocytopenia.

QP CODE: 8319 (Microbiology)

Long Questions

10X1 = 10 Marks

1. Define sterilization. Classify various agents of sterilization. Write in detail about Hot air oven. (2+2+6)

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Bacterial Growth Curve
3. Hypersensitivity reaction type I
4. IgM
5. Laboratory diagnosis of enteric fever
6. Pathogenesis and Laboratory diagnosis of Tuberculosis

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Morphology of Staphylococci
8. Enumerate three bacteria causing meningitis
9. Enumerate Antigen-Antibody reactions
10. Acquired Immunity
11. Material sterilized by Autoclave
12. Enumerate three Live vaccines.

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[Time: 3 Hours]

[Max. Marks: 80]

III SEMESTER
PAPER - II (Electrotherapy I)
QP CODE: 8321

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Define NMJ. Discuss the properties of muscles and nerves.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Faradic foot bath
3. Uses of IFT in stress incontinence
4. Drugs used in iontophoresis for hyperhidrosis
5. Explain the instrumentation of NMES
6. Faradism under pressure
7. SD curve
8. Sinusoidal currents
9. Stimulation for Deltoid inhibition
10. Uses of microcurrents

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Electrode coupling
12. Contraindications of SDC
13. Burst TENS
14. Surface electrodes
15. Motor unit
16. Parameters of galvanic current
17. Impedance
18. Types of Pain
19. Duty cycle
20. NMJ
21. Action potential

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[Time: 3 Hours]

[Max.Marks:40 marks]

III SEMESTER

PAPER – III (Psychology/Sociology)

QP CODE: 8322/8324

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

QP CODE: 8322 (Psychology)

Long Questions

10X1 = 10 Marks

1. Define Personality and Describe in detail about assessment of Personality

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Methods of Psychology
3. Different types of hallucination and illusion
4. Abraham Maslow's theory of need hierarchy.
5. sources of frustration
6. Theories of intelligence

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Reasoning and its types
8. Factors effecting learning.
9. Different types of leaders
10. Motivation cycle
11. Gestalt principles of organization of perception
12. Defense Mechanisms

QP CODE: 8324 (Sociology)

[Max.Marks:40 marks]

Long Questions

10X1 = 10 Marks

1. Define Social problem. Explain in detail social problems in India

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Characteristics of Culture
3. Relationship between Anthropology and Sociology
4. Social groups
5. Women empowerment
6. Health hazards in community

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Nature of Socialization
8. Scope of sociology.
9. Social health factors in illness.
10. Types of family.
11. Social security
12. Social worker

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[Time: 3 Hours]

[Max. Marks: 80]

III SEMESTER
PAPER – IV (Exercise Therapy I)
QP CODE: 8323

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Define proprioceptive neuro muscular facilitation. Explain in detail about the basic techniques, principles, effects and uses.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Determinants of resistance exercise
3. Principles of passive movement
4. Explain about segmental limb length measurement
5. Evaluation of deep sensations
6. Define Anthropometry. Explain about skinfold measurements
7. Principles, indication and contraindication of functional re-education
8. MMT for deltoid muscle
9. Define trick movements. Types of trick movements.
10. Types of active movements

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Types of goniometer
12. Principles of relaxation
13. BMI
14. Vital signs
15. Types of endfeel
16. Techniques of PNF
17. Measurement of pelvic inclination
18. BRIME
19. Define strength and power
20. Transfer techniques
21. Grades of MMT