

Jan-26

**BLDE (DEEMED TO BE UNIVERSITY)**  
**BACHEOLOR 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)**

$[0 \times 1] = 10 \text{ marks}$

**Long Questions**

1. Describe AIDS – etiology, modes of transmission, laboratory diagnosis and preventive measures.

**5 X 4 = 20 Marks**

**Short Essays: (Any – 4)**

2. Reversible cell injury – types and morphology.
3. Types of shock and pathogenesis.
4. Thalassemia – types and pathology.
5. Syphilis – stages and pathology.
6. Healing of bone fracture.

**2 X 5 = 10 Marks**

**Short Answers (Any – 5)**

7. Define infarction and write common sites.
8. Define the terms atrophy and hypertrophy with one example each.
9. Classification of anaemia.
10. Write differences between dystrophic and metastatic calcification.
11. Causes of microcytic hypochromic anemia.
12. Name four transfusion transmittable infections.

**QP CODE: 8319 (Microbiology)**

**10X1 = 10 Marks**

**Long Questions**

1. Name the antigen and antibody reactions. Add a note on agglutination reactions.

**5 X 4 = 20 Marks**

**Short Essays: (Any – 4)**

2. Autoclave.
3. IgM Antibody.
4. Immunity.
5. Laboratory diagnosis of tuberculosis.
6. Universal precautions.

**2 X 5 = 10 Marks**

**Short Answers (Any – 5)**

7. Define infection. Give two example.
8. Name two zoonotic bacterial infections.
9. Name two diseases caused by *Streptococcus*.
10. Write any three functions of antibodies.
11. Selective media
12. List three spore producing bacteria of medical importance.

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# BLDE (DEEMED TO BE UNIVERSITY)

## BACHELOR OF PHYSIOTHERAPY

[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 Faradic type current. Write its modifications, techniques of application, therapeutic effects, precautions and contraindications.

#### Short Essays: (Any – 8)

**5 X 8 = 40 Marks**

2. Direct Current – types, physiological and therapeutic effects.
3. Interrupted Direct Current – effects on normally innervated and denervated muscles.
4. SD Curve.
5. High voltage pulsed galvanic stimulation – definition, parameters and uses.
6. Iontophoresis – techniques, indications and commonly used drugs.
7. Transcutaneous Electrical Nerve Stimulation (TENS) – types and electrode placement.
8. Gate control theory of pain.
9. Faradic-Galvanic test – method and uses.
10. Interferential Therapy – principle of production and electrode placement.

#### Short Answers: (Any – 10)

**3 X 10 = 30 Marks**

11. Define alternating current.
12. NMES.
13. Mention two indications of sinusoidal current.
14. Define rheobase and chronaxie.
15. Write two precautions of Faradic current.
16. Name two components of a neuromuscular stimulator.
17. Define nerve conduction velocity (NCV).
18. Write any two contraindications of TENS.
19. Name two theories of pain.
20. Define Russian current.
21. Write any two uses of EMG.

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## BACHEOLOR OF PHYSIOTHERAPY

[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)

$10 \times 1 = 10$  Marks

#### Long Questions

1. Define Learning. Explain in detail about theories of learning

$5 \times 4 = 20$  Marks

#### Short Essays: (Any – 4)

2. Define leadership? Explain in detail about types of leadership?
3. Methods of psychology
4. Growth and development of infancy
5. Classification of motives
6. Management of frustration and conflict

$2 \times 5 = 10$  Marks

#### Short Answers (Any – 5)

7. Schools of Psychology
8. Theories of emotion
9. Factors affecting learning
10. Projective technique
11. Attitude
12. Types of attention

QP CODE: 8324 (Sociology)

[Max.Marks:40 marks]

$10 \times 1 = 10$  Marks

#### Long Questions

1. Define community, Difference between Rural and Urban Community.

$5 \times 4 = 20$  Marks

#### Short Essays: (Any – 4)

2. Factors affecting Social Change.
3. Difference between Primary and Secondary Group.
4. Alcoholism is a Social problem, Discuss.
5. Characteristics of Culture.
6. Juvenile Delinquency

$2 \times 5 = 10$  Marks

#### Short Answers (Any – 5)

7. Anthropology.
8. Women Empowerment.
9. Define Socialization and types.
10. Social Problems.
11. Functions of Family.
12. Agencies of Socialization.

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# BLDE (DEEMED TO BE UNIVERSITY)

## BACHELOR OF PHYSIOTHERAPY

[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. What is Manual Muscle Testing (MMT)? Explain its rules, grading system, and disadvantages

#### Short Essays: (Any – 8)

**5 X 8 = 40 Marks**

2. Functional re-education – Mat exercises?
3. Rules and types of passive movements.
4. How to measure limb length and pelvic tilt.
5. What is anthropometry? Why is it important in physiotherapy?
6. Types of active movements with examples.
7. Functional re-education – rules, uses, and when not to use.
8. Mitchel's relaxation technique.
9. Resistance exercise methods – Oxford and De Lorme's.
10. What are trick movements? Types and examples

#### Short Answers: (Any – 10)

**3 X 10 = 30 Marks**

11. What are vital signs?
12. What is a reflex arc?
13. Types of goniometers.
14. Rules of relaxation.
15. Grades of MMT.
16. Difference between true and apparent limb length.
17. Types of end-feel in joints.
18. BMI categories.
19. What is BRIME?
20. Techniques of PNF.
21. Jacobson's relaxation method.