

BLDE (DEEMED TO BE UNIVERSITY)

July-2022

BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max.Marks:40 marks]

III SEMESTER

PAPER – I (Microbiology & Pathology)

QP CODE: 8320

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Section – A (Microbiology)

Long Questions

10X1 = 10 Marks

1. Define sterilization. Classify various methods 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. IgM Antibody
4. Universal precautions
5. Antimicrobial susceptibility testing
6. Pathogenesis and Laboratory diagnosis of gonorrhoea

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Enumerate three Anaerobes
8. Enumerate Antigen-Antibody reactions
9. Acquired Immunity
10. Enumerate bacterial filters
11. Enumerate Zoonotic diseases
12. Enumerate Culture Methods

Section – B (Pathology)

Long Questions

10X1 = 10 Marks

1. What is fatty change? Explain etiopathogenesis and pathology of fatty liver.

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Explain the clinical features and Laboratory diagnosis of Pyogenic Meningitis
3. Laboratory Diagnosis of Megaloblastic Anemia
4. Blood Grouping
5. Write the differences between benign and malignant tumors
6. Define Hypersensitivity reaction. Describe Type I Hypersensitivity reaction.

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Write three causes of granulomatous inflammation
8. Goitre – Definition, Causes
9. Define Emphysema. Write its types
10. Write the causes of acute appendicitis
11. Down syndrome
12. Write three examples of Congenital Heart Disease

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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 TENS. Explain in detail about the types of TENS and its physiological effects of TENS.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Describe the types and effects of diadynamic current.
3. Write in detail method of plotting SD curve, characteristics of normal, partially denervated and completely denervated muscle.
4. Describe in brief micro and macro currents.
5. Physiological and therapeutic effects of faradic current.
6. Define HVPGS with its parameters and its application for wound healing.
7. Iontophoresis for keloid scar.
8. Define electricity. Add a note on difference between alternating and direct current.
9. Faradic- Galvanic test.
10. Define Pain and explain Pain gate theory.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Resting membrane potential and Accommodation.
12. Biofeedback.
13. Difference between micro and macro currents
14. Sinusoidal currents
15. Types of transformer.
16. Cathodal galvanism
17. Chronaxie and Rheobase.
18. Electromagnetic spectrum
19. Define fuse and state two uses.
20. What is nerve conduction velocity?
21. Wallerian degeneration.

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[Time:3 Hours]

[Max.Marks:40 marks]

**III SEMESTER
PAPER – III (Psychology & Sociology)
QP CODE: 8322**

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

Section - A (Psychology)

Long Questions

10X1 = 10 Marks

1. Enumerate the different types of learning? Explain the factors affecting learning

Short Essays: (Any – 5)

5 X 4 = 20 Marks

2. Levels of analysis of emotion
3. Conflict
4. Stress management
5. Define frustration and list down the sources of frustration
6. Explain the detail about classification of motives

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Different types of leaders
8. Steps in creative thinking
9. Methods of psychology
10. Assessment of intelligence
11. Difference between illusion and hallucination
12. Projective techniques

Section B (Sociology)

Long Questions

10X1 = 10 Marks

1. Define Family. Explain in detail about functions and types of Family

Short Essays: (Any – 5)

5 X 4 = 20 Marks

2. Explain the problems of over population in India.
3. Classify various types of Social Groups and explain
4. Characteristics of Culture.
5. Explain how social change brings cultural changes
6. Social change and health programme.

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Social Problems.
8. Scope of Sociology.
9. Problems of women in employment
10. Effect of Culture on health
11. Social Security
12. Impact of alcoholism on health

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[Time: 3 Hours]

[Max. Marks: 80]

III SEMESTER

PAPER-IV Subject- EXERCISE THERAPY-1

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. Explain the principles of suspension therapy and write the suspension therapy technique for hip internal and external rotation movements.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Define PNF. Write a note on PNF for upper limb.
3. Describe measurement of Limb length discrepancy.
4. Define MMT. Enumerate MRC grading for muscle strength.
5. Describe types of muscle contractions with examples.
6. Define passive movements. Mention the indications of passive movements.
7. Describe physiological effect of relaxation.
8. What are active exercises? Mention its classification and uses.
9. What is free exercise? Write briefly about free exercises.
10. Define active movements. Mention its principles, indications.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. What is 1 RM?
12. Name the types of free exercises.
13. Define closed chain exercise with example.
14. Name the types of suspension therapy.
15. List out the effects of De-conditioning on the musculo-skeletal system.
16. Muscle proteins.
17. Name the five grades of Manual Muscle Testing (MMT).
18. Contract relax.
19. Bicristal breadth and biacromial breadth
20. Types of goniometry.
21. Mitchel's relaxation.