

2/2/26
PM

BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max. Marks: 80]

IV SEMESTER
PAPER - I (Exercise Therapy II)
QP CODE: 8420

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

Long Questions

10X1 = 10 Marks

1. Define balance. Describe in detail the evaluation of impaired balance and balance re-training

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Define hydrotherapy. Enumerate the precautions and contra indications of hydrotherapy
3. Therapeutic gymnasium
4. Physiologic effects of massage
5. Types of walking aids. Explain indications and contraindications.
6. Principles and grades of mobilization.
7. Posture assessment
8. Features of incoordination (cerebellar, basal ganglia, DCML pathology)
9. Advantages and Disadvantages of group exercises.
10. Phases of aerobic training and its application for patients

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Coordination.
12. Buoyancy
13. Axillary crutch measurement.
14. Define strength, power and endurance.
15. Controlled sustained stretch.
16. Give two uses of parallel bar.
17. Breathing exercises
18. Kaltenborn technique
19. Kneading.
20. Types of posture.
21. Quadriceps stretching.

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[Time: 3 Hours]

[Max. Marks: 80]

IV SEMESTER

PAPER - II (Electrotherapy II)

QP CODE: 8421

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Describe the principle and production of SWD explain various methods of heat production and add a note on the spacing of the electrode.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Electromagnetic spectrum and indicate the units in which it is utilized.
3. Type of applicators used in MWD units and their uses.
4. Benefits of cold pack usage.
5. Explain in brief about contrast bath.
6. Principles and production of ultrasound.
7. Whirlpool therapy and its therapeutic effects.
8. Indication and contraindication of UST.
9. Physiological effects of IRR
10. Enumerate types of UVR

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Define Fluidotherapy.
12. Explain magnetic stimulation.
13. Biofeedback
14. Types of laser
15. Principle of pulsed electromagnetic energy.
16. Dangers of laser
17. Indication and contraindication of shock wave therapy.
18. Dangers of wax therapy.
19. Therapeutic effects of cyclotherm.
20. Near and far field.
21. Various application methods of wax therapy.

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P10

BLDE (DEEMED TO BE UNIVERSITY)
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[Time: 3 Hours]

[Max.Marks:40 marks]

IV SEMESTER

PAPER – III (Pathology/Microbiology)

QP CODE: 8422/8424

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

QP CODE: 8422 (Pathology)

Long Questions

10X1 = 10 Marks

1. Describe the etiopathogenesis, clinical features and laboratory diagnosis of pulmonary tuberculosis.

(4+3+3)

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Morphologic features of gastric carcinoma.
3. Rheumatic heart disease – morphologic features and clinical features.
4. Pyogenic Osteomyelitis.
5. Stages of alcoholic liver disease.
6. Describe benign salivary gland tumors.

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Name four congenital heart diseases.
8. Enlist causes of meningitis
9. What is jaundice? Write its types.
10. Write four risk factors for type 2 diabetes mellitus.
11. Write four causes of lymph node enlargement.
12. Enumerate metabolic diseases of bone.

QP CODE: 8424 (Microbiology)

Long Questions

10X1 = 10 Marks

1. Enumerate viruses causing Hepatitis in man. Describe the pathogenesis and laboratory diagnosis of Hepatitis B virus.

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Dermatophytes
3. Laboratory diagnosis of parasitic infections
4. Laboratory diagnosis of Malaria
5. Candidiasis
6. Laboratory diagnosis of Entamoeba histolytica.

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Name two live viral vaccines
8. Name the parasitic agents causing anaemia
9. Give examples of yeast
10. Enlist viruses causing Respiratory tract infections
11. KOH Preparation
12. Enumerate the opportunistic fungal infections

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BLDE (DEEMED TO BE UNIVERSITY)
BACHELOR OF PHYSIOTHERAPY

[Time: 3 Hours]

[Max. Marks: 80]

IV SEMESTER
PAPER - IV (Pharmacology)
QP CODE: 8423

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

Long Questions

10X1 = 10 Marks

1. Classify skeletal muscle relaxants. Write mechanism of action, therapeutic uses of D-tubocurarine.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Enlist advantages and disadvantages of oral route of drug administration
3. Pharmacotherapy of Myasthenia gravis.
4. Drugs used in allergic rhinitis.
5. Nifedipine.
6. Enumerate thrombolytic drugs. Write their therapeutic uses and adverse effects.
7. Therapeutic uses of atropine and atropinic substitutes.
8. Enumerate proton pump inhibitors. Write their mechanism of action and therapeutic uses.
9. Therapeutic uses and adverse effects of glucocorticoids.
10. Describe types of Insulin preparations.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. What is teratogenesis? Give one example
12. Enlist three angiotensin converting enzyme inhibitors.
13. Mention two drugs used in treatment of malaria.
14. Mention one use and one adverse effect of digoxin.
15. Enlist two uses and two adverse effects of sodium valproate.
16. Enlist two drugs used in insomnia.
17. List two drugs which cause postural hypotension in elderly.
18. Enlist three NSAIDs and their three therapeutic uses.
19. Describe the rationale of combining carbidopa with levodopa in the treatment of Parkinsonism.
20. Mention two uses and two adverse effects of immunosuppressants.
21. Enlist two drugs used in treatment of asthma.