

2/7/24

**BLDE (DEEMED TO BE UNIVERSITY)**  
**BACHELOR OF PHYSIOTHERAPY**

[Time: 3 Hours]

[Max. Marks: 80]

**IV SEMESTER**

**PAPER - I (Exercise Therapy 2)**

**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 stretching. Explain the determinants, techniques, contraindication and effects of stretching.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Write a note on co-ordination tests
3. Define functional re-education and write a note on mat activities
4. Evaluation of aerobic capacity
5. Merits and demerits of hydrotherapy
6. Indication and contraindication of joint mobilization
7. Explain factors which pre dispose to poor postures
8. Physiological uses of massage
9. Describe circuit training
10. Describe the technique of petrissage

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. 3 limitations of joint mobilization
12. Define posture
13. Causes for impaired balance
14. Gutter crutch
15. Properties of water
16. Advantages of group exercise
17. Techniques of pranayama
18. Non- equilibrium tests
19. Grades of kaltenborn mobilization
20. Types of stretching
21. Massage technique

4/7/24

**BLDE (DEEMED TO BE UNIVERSITY)**  
**BACHELOR OF PHYSIOTHERAPY**

[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 types, effects, merits and demerits of ultrasound.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Ultrasound coupling media
3. Therapeutic uses of microwave diathermy
4. Gate control theory of pain
5. Explain indication and contraindication of SWD
6. Explain production of UVR
7. Explain principle and production of IFT
8. Physiological and therapeutic uses of LASER
9. Physiological effects of wax therapy.
10. Explain physiological effects and indication of IRR.

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Piezo electric effect and reverse piezo electric effect
12. Phonophoresis
13. Types of UVR
14. Classification of LASER
15. Write the composition of paraffin wax
16. Define electromagnetic spectrum
17. Name the types of application of SWD
18. Enumerate methods of ultrasound application
19. Contrast bath
20. Enlist cryotherapy indications.
21. Standing waves.

July 2024

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**BACHELOR OF PHYSIOTHERAPY**

[Time: 3 Hours]

[Max. Marks: 80]

**IV SEMESTER**

**PAPER - III (Microbiology & Pathology - II)**

**QP CODE: 8422/8424**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**QP Code: 8424 (Microbiology)**

**Long Questions**

**10X1 = 10 Marks**

1. Describe the morphology, modes of transmission and laboratory diagnosis of HIV infection  
(2+3+5)

**Short Essays: (Any – 4)**

**4 X 5 = 20 Marks**

2. Laboratory diagnosis of M. tuberculosis
3. Polio vaccines
4. Laboratory diagnosis of Malaria
5. Ascaris lumbricoides
6. Polio vaccines

**Short Answers (Any – 5)**

**2 X 5 = 10 Marks**

7. Structure of HIV
8. Name two zoonotic diseases
9. Name two sexually transmitted diseases
10. Amoebic dysentery
11. Name two bacteria causing Urinary tract infection
12. Candidiasis

**QP Code: 8422 (Pathology)**

**Long Questions**

**10X1 = 10 Marks**

1. Describe the etiopathogenesis, clinical features and complications of Diabetes mellitus. (4+3+3)

**Short Essays: (Any – 4)**

**4 X 5 = 20 Marks**

2. Peptic ulcer disease
3. Complications of hypertension
4. Discuss risk factors for cancer of oral cavity
5. Types and laboratory diagnosis of jaundice
6. Viral hepatitis

**Short Answers (Any – 5)**

**2 X 5 = 10 Marks**

7. Name four major risk factors for atherosclerosis
8. Enlist four causes of splenomegaly
9. What is meningitis? Write three causes
10. Name four tumors of thyroid gland
11. Write four causes of lymph node enlargement
12. Name any four congenital heart diseases

Finaly - 2024

**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 anti-Cholinergic drugs. Explain therapeutic uses and adverse effects of atropine.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Enumerate various routes of administration of drugs.
3. Drug therapy of wide-angle glaucoma.
4. Pre-anaesthetic medications.
5. Classify sedative- Hypnotics.
6. Bronchodilators.
7. Calcium channel blockers.
8. Diuretics
9. Describe the mechanism of action and therapeutic uses of omeprazole.
10. Corticosteroids.

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. What is a prod rug? Give two examples of prod rugs.
12. Mention the antidote for heparin and Warfarin overdose.
13. Why carbidopa is co-administered with L-Dopa?
14. Mention four disease modifying antirheumatic drugs.
15. List four drugs for epilepsy.
16. Mention one therapeutic use and one adverse effect of pancuronium.
17. List two drugs which cause postural hypotension in elderly.
18. Enlist two uses and two adverse effects of Aspirin.
19. Enlist one use and one adverse effect of Lithium.
20. List three drugs used in peptic ulcer.
21. What is first pass metabolism? How does it affect the bioavailability of a drug?