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**LAL BHADUR SHASTRI PARAMEDICAL SKILL AND TRAINING COUNCIL  
INDIA**

**Paper Code DMLT-LBS-001**

**1<sup>ST</sup> Year Examination Calendar Batch 2023-2025**

**Paper Name: GENERAL ANATOMY AND PHYSIOLOGY**

**[Time: 3 Hours]**

**[Max Marks: 70]**

**Draw diagrams wherever necessary**

**I. Essays: Any Two (2 x 15 = 30)**

1. Write features and functions of bones of the axial and appendicular skeletal system.
2. Write details about synovial joints and their function with the help of diagram.
3. Name the parts of alimentary system. Describe liver in detail.

**II. Short Notes: Only Five (6x 5 = 30)**

1. Outline different steps of erythropoiesis.
2. Draw structure of a typical cell with proper labelling.
3. Make a brief note on ear.
4. Surgical spaces of orbit.
5. What are different functions of lymph?
6. Make a brief note on physiology of muscle contraction.
7. Urinary bladder.

**III. Short Answers: Any Five (2 x 5 = 10)**

1. Define anatomy and Physiology.
2. Differentiate anterior and posterior.
3. Classify bones.
4. How many vertebrae present in the lumber vertebral region?
5. Name 4 muscles of upper limb.
6. Name the parts of large intestine.

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**LAL BHADUR SHASTRI PARAMEDICAL SKILL AND TRAINING COUNCIL  
INDIA**

**Paper Code DOTT-LBS-001**

**1<sup>ST</sup> Year Examination Calendar Batch 2023-2025**

**Paper Name: General anatomy, Physiology and Pathology**

**[Time: 3 Hours]**

**[Max Marks: 70]**

**Draw diagrams wherever necessary**

**I. Essays: Any Two**

**(2 x 15 = 30)**

- 1 Pre-operative preparation for surgery
- 2 Concept of Central sterile supply department (CSSD)
- 3 Day Care Surgery

**II. Short Notes: Only Five**

**(6x 5 = 30)**

- 4 Electrocautery
- 5 Skin grafting
- 6 Wound healing
- 7 Bioburden
- 8 Manifold room
- 9 Health care team
- 10 Zones of operation theatre
- 11 Mop count and its importance
- 12 Scrubbing technique
- 13 Hand washing technique
- 14 Sterile team members
- 15 Types of suture materials

**III. Short Answers: Any Five**

**(2 x 5 = 10)**

- 16 Position for thyroid surgery
- 17 Daily OT cleaning
- 18 Gauze
- 19 Asepsis
- 20 Tetanus toxoid
- 21 Airway
- 22 Pulse-oximeter
- 23 Gowning
- 24 Enema
- 25 Ryle's Tube

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**LAL BHADUR SHASTRI PARAMEDICAL SKILL AND TRAINING COUNCIL  
INDIA**

**Paper Code CMSED-LBS-001**

**1<sup>ST</sup> Year Examination Calendar Batch 2023-2025**

**Paper Name: Pathology**

**[Time: 3 Hours]**

**[Max Marks: 70]**

**Draw diagrams wherever necessary**

**I. Essays: Any Two**

**(2 x 15 = 30)**

- 1 Write the processer of gram staining technique?
- 2 Role of Free radicals in disease causation and Antioxidants in their prevention.
- 3 Describe vascular events in acute inflammation.

**II. Short Notes: Only Five**

**(6x 5 = 30)**

1. Risk factors for Atherosclerosis
2. Mention factors affecting wound healing.
3. Discuss pathogenesis of AIDS with a note on various opportunistic infections?
4. Type IV hypersensitivity reactions.
5. Pathophysiology of AIDS with a note on various opportunistic infections?
6. Mention three autoimmune disorders
7. Write briefly about record maintenance in Pathology
8. Name any five infections of medical importance.

**III. Short Answers: Any Five**

**(2 x 5 = 10)**

1. Define cell and types?
2. Describe the pathway and clot formation?
3. Write a short note on thrombocytopenia?
4. What is leukemia? Explain the treatment for leukemia?
5. Write a note on Leishman staining?
6. Estimation of fetal hemoglobin.
7. Clot retraction time.

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**LAL BHADUR SHASTRI PARAMEDICAL SKILL AND TRAINING COUNCIL  
INDIA**

**Paper Code DPT-LBS-001**

**1<sup>ST</sup> Year Examination Calendar Batch 2023-2025**

**Paper Name: GENERAL ANATOMY AND PHYSIOLOGY**

**[Time: 3 Hours]**

**[Max Marks: 70]**

**Draw diagrams wherever necessary**

**I. Essays: Any Two (2 x 15 = 30)**

1. What is Exercise Tolerance testing?
2. Mention types of necrosis. Give examples.
3. Write the sources dietary requirement and functions of Vitamin D.

**II. Short Notes: Only Five (6x 5 = 30)**

1. Explain PT management of Above Knee amputation.
2. Discuss Ankle sprain? Clinical features and its management.
3. Explain about Spinal stabilization surgeries and its benefits?
4. Write about the principles of Manual therapy.
5. Define Stretching and its techniques.
6. Define Massage. Write about indications and contraindications of Massage.
7. What is spring? Write about its uses and benefits.

**III. Short Answers: Any Five (2 x 5 = 10)**

1. What is social psychology?
2. Creative thinking.
3. What is motivational cycle?
4. Define Frustration and its sources.
5. Define Perception
6. Attitude.
7. Types of motives.
8. Factors influencing Social Change.

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**LAL BAHADUR SHASTRI PARAMEDICAL SKILL AND TRAINING COUNCIL  
INDIA**

**Paper Code: DDH-LBS-001**

**1<sup>ST</sup> Year Examination Calendar Batch 2023-2025**

**Paper Name: Anatomy, Physiology and Histology**

**[Time: 3 Hours]**

**[Max Marks: 70]**

**Draw diagrams wherever necessary**

**I. Essays: Any Two**

**(2 x 15 = 30)**

1. Mention the bones skull. Write briefly about mandible bone
2. Name the cranial nerves of the body. Write briefly about any one cranial nerve.
3. Define and classify Cementum. Describe Cemento-enamel junction

**II. Short Notes: Only Five**

**(6x 5 = 30)**

1. Extrinsic and intrinsic dental stains
2. Periodontal abscess
3. Theories of mineralization of calculus
4. Acute gingival lesions
5. Stages of dental plaque formation
6. Theories of mineralization of calculus
7. Acute gingival lesions
8. Stages of dental plaque formation

**III. Short Answers: Any Five**

**(2 x 5 = 10)**

9. Name branches of facial nerve
10. Name parts of mandible
11. Name muscles of mastication
12. Name blood vessels of face
13. Names the hormones of pituitary
14. Name the types of epitheliums
15. Dental formula
16. Nerve supply of the tongue

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**LAL BHADUR SHASTRI PARAMEDICAL SKILL AND TRAINING COUNCIL  
INDIA**

**Paper Code: DAN-LBS-001**

**1<sup>ST</sup> Year Examination Calendar Batch 2023-2025**

**Paper Name: Anatomy and Radiological Anatomy**

**[Time: 3 Hours]**

**[Max Marks: 70]**

**Draw diagrams wherever necessary**

**I. Essays: Any Two**

**(2 x 15 = 30)**

1. Explain the principles of Interpersonal relationship
2. Describe the structure & functions of the heart?
3. Describe control of Bleeding of unconsciousness.

**II. Short Notes: Only Five**

**(6x 5 = 30)**

1. Explain the structures of cells with diagram?
2. Explain High fever
3. Explain Electric shock.
4. Need for psychology support to sick persons.
5. Explain first aides' responsibilities and first aider qualities.
6. Write about requirement of nutrition for adults.
7. Explain community Health - Definition, Principle, Qualities & functions of community Health Nursing.
8. Define Meningitis & write causative Agent, Diagnosis & Prevention

**III. Short Answers: Any Five**

**(2 x 5 = 10)**

1. Define Gastrostomy
2. Define Blood Transfusion
3. Define Anaesthesia
4. Define Asepsis
5. Define care of instruments?
6. Explain about surgeons room, nurses room?
7. Describe the method of oxygen administration?
8. Define Antibiotic
9. Define the brain stems?
10. Functions of vagina

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**LAL BHADUR SHASTRI PARAMEDICAL SKILL AND TRAINING COUNCIL  
INDIA**

**Paper Code: DR-LBS-001**

**1<sup>ST</sup> Year Examination Calendar Batch 2023-2025**

**Paper Name: Anatomy**

**I. Essays: Any Two (2 x 15 = 30)**

- 1 Explain about Intensifying screens and their role in radiology
- 2 Describe in detail about X- ray films and their processing
- 3 What are primary and secondary X- rays? Explain about the various techniques to reduce secondary and scattered radiation

**II. Short Notes: Only Five (6x 5 = 30)**

1. Uses of cones
2. Radiation protection
3. Grid lines and Grid ratio
4. Bucky and uses
5. Alpha and Beta decay
6. Anode heel effect
7. Three phase generators in radiology
8. X-ray developers
9. Film badge
10. Safe exposure limits of patients
11. Quality of X- ray radiation
12. Principle of Ultrasound

**III. Short Answers: Any Five (2 x 5 = 10)**

1. Capacitor
2. Inductor
3. Storage of unexposed X- ray films
4. Methods of drying films
5. Scattered radiation
6. Calibration of exposure factors
7. Types of film base
8. Nuclear Fission reactors
9. Cooling curve
10. Compton effect

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**LAL BHADUR SHASTRI PARAMEDICAL SKILL AND TRAINING COUNCIL  
INDIA**

**Paper Code: DMRT-LBS-001**

**1<sup>ST</sup> Year Examination Calendar Batch 2023-2025**

**Paper Name: Anatomy**

**I. Essays: Any Two (2 x 15 = 30)**

- 1 Explain about Intensifying screens and their role in radiology
- 2 Describe in detail about X- ray films and their processing
- 3 What are primary and secondary X- rays? Explain about the various techniques to reduce secondary and scattered radiation

**II. Short Notes: Only Five (6x 5 = 30)**

13. Uses of cones
14. Radiation protection
15. Grid lines and Grid ratio
16. Bucky and uses
17. Alpha and Beta decay
18. Anode heel effect
19. Three phase generators in radiology
20. X-ray developers
21. Film badge
22. Safe exposure limits of patients
23. Quality of X- ray radiation
24. Principle of Ultrasound

**III. Short Answers: Any Five (2 x 5 = 10)**

11. Capacitor
12. Inductor
13. Storage of unexposed X- ray films
14. Methods of drying films
15. Scattered radiation
16. Calibration of exposure factors
17. Types of film base
18. Nuclear Fission reactors
19. Cooling curve
20. Compton effect

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**LAL BHADUR SHASTRI PARAMEDICAL SKILL AND TRAINING COUNCIL  
INDIA**

**Paper Code OP-LBS-001**

**1<sup>ST</sup> Year Examination Calendar Batch 2023-2025**

**Paper Name: ANATOMY**

**[Time: 3 Hours]**

**[Max Marks: 100]**

**Note: Attempt any Ten questions**

**Draw diagrams wherever necessary**

**I. Essays:**

**(2 x 15 = 30)**

1. Describe the anatomy of extra ocular muscles with nerve supply and blood supply. Give the physiology of actions of extra ocular muscles.
2. Describe the anatomy of the angle of anterior chamber. Add a note on aqueous secretion and maintenance of intra ocular pressure.

**II. Short Notes:**

**(10 x 5 = 50)**

1. Layers of eyeballs.
2. Anatomy of cornea.
3. Structure of lens.
4. Surgical spaces of orbit.
5. Anatomy of lacrimal system.
6. Theories of color vision.
7. Photochemistry of retina.
8. Physiology of accommodation.
9. Pupillary reflex.
10. Binocular vision.

**III. Short Answers:**

**(10 x 2 = 20)**

1. Name the bones forming medial and lateral wall of orbit.
2. Describe the tear film.
3. Name the parts of uveal tract.
4. Name the structures passing through superior orbital fissure.
5. Name the cranial nerves supplying the eye ball and its adnexa.
6. What is entoptic phenomenon?
7. What is electro oculogram?

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**LAL BAHADUR SHASTRI PARAMEDICAL SKILL AND TRAINING COUNCIL  
INDIA**

**Paper Code OP-LBS-001**

**1<sup>ST</sup> Year Examination Calendar Batch 2023-2025**

**Paper Name: ANATOMY**

**[Time: 3 Hours]**

**[Max Marks: 100]**

**Note: Attempt any Ten questions**

**Draw diagrams wherever necessary**

**I. Essays: Any Two (2 x 15 = 30)**

1. Write in detail about cardiac output.
2. Describe the clinical manifestations and investigations of Deep Venous Thrombosis.
3. What is congenital heart disease (CHD)? Classify congenital heart diseases. Given at least four examples belonging to different groups.

**II. Short Notes: Any Five (10 x 5 = 50)**

1. Write short notes on the following
  - a) ECG artifacts
  - b) Damping
2. Write the various types of acyanotic heart diseases.
3. What is CPR, BLS and ALS (ACLS)?
4. What is hexa-axial system of the heart?
5. Draw the ECG in V1 lead in RBBB and LBBB
6. What is VVI permanent pacing?
7. What is PDA? Briefly describe the circulation in PDA. Draw an Echo picture showing a PDA.

**III. Short Answers: (2 x 5 = 10)**

1. What is damping?
2. What is ventricularization?
3. Describe the normal anatomy of the coronary arteries.
4. What is congenital heart disease (CHD)?
5. What is hypothermia?