



# **PARAMEDICAL COUNCIL OF INDIA**

## **DIPLOMA IN AYURVEDIC PHARMACY SYLLABUS**

Ch. No.157/1, Near Laxmi Nagar, Metro Station Gate No 1, Vikas Marg, Delhi-92

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## DIPLOMA IN AYURVEDIC PHARMACY

### COURSE DURATION:-

- It is 2 years + 6 months internship full time Diploma Course

### ELIGIBILITY:-

- Candidate must have passed 12th with Physics, Chemistry, Biology or Physics, Chemistry, Math's with 35% marks in Intermediate exams. (From UP board or any other recognized board).
- Candidate must have completed age of 17 years of age as on 31st December of admission year. There is no maximum age limit for the admission.

### FIRST YEAR

- 1) ANATOMY
  - 2) PHYSIOLOGY
  - 3) HYGIENE & YOGA
  - 4) TOXICOLOGY
- **Anatomy:** Study of the structure and organization of the human body.
  - **Hygiene and Yoga:** Study of practices that promote physical and mental well-being, including cleanliness, sanitation, and yoga techniques.
  - **Physiology:** Study of the functions and processes of the human body.
  - **Toxicology:** Study of the adverse effects of chemicals on living organisms.

### SECOND YEAR

- 1) FIRST AID
  - 2) PATHOLOGY & MEDICINE
  - 3) PHARMACOLOGY
  - 4) RAS - SHASTRA & BHASIJYA KALPANA
- **Pharmacology:** Study of medications and their effects on the human body.
  - **Ras - Shastra & Bhaisajya Kalpana:** Study of Ayurvedic pharmaceuticals and formulation of herbal medicines.
  - **Pathology & Medicine:** Study of diseases and their diagnosis, treatment, and prevention.
  - **First Aid:** Study of emergency care and treatment for injuries or illnesses.

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### FIRST PAPER: SYLLABUS COVERS

#### 1. ANATOMY

1. **Human Body Structure:** Study of the skeletal system, muscular system, nervous system, circulatory system, and other body systems.
2. **Anatomical Terminology:** Understanding of anatomical terms and concepts.

#### 2. PHYSIOLOGY

1. **Body Functions:** Study of the functions of different body systems, including the nervous system, circulatory system, and digestive system.
2. **Homeostasis:** Understanding of how the body maintains homeostasis and responds to changes.

#### 3. HYGIENE AND YOGA

1. **Personal Hygiene:** Importance of cleanliness, sanitation, and hygiene practices.
2. **Yoga and Wellness:** Study of yoga techniques, breathing exercises, and meditation for physical and mental well-being.

#### 4. TOXICOLOGY

1. **Introduction to Toxicology:** Study of the basic principles of toxicology, including definitions, types of toxins, and mechanisms of toxicity.
2. **Toxic Effects:** Understanding of the adverse effects of toxins on the human body.

### SECOND PAPER: SYLLABUS COVERS

#### 1. FIRST AID

1. **Emergency Care:** Study of emergency care and treatment for injuries or illnesses, including wound management, bleeding control, and cardiopulmonary resuscitation (CPR).
2. **Basic Life Support:** Understanding of basic life support techniques, including CPR and automated external defibrillator (AED) use.

#### 2. PATHOLOGY & MEDICINE

1. **Disease Processes:** Study of the causes, mechanisms, and consequences of diseases.

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2. **Diagnostic Techniques:** Understanding of diagnostic tests and procedures used to identify diseases.

### 3. PHARMACOLOGY

1. **Medications and Their Effects:** Study of medications, including their mechanisms of action, side effects, and interactions.

2. **Pharmacokinetics and Pharmacodynamics:** Understanding of how medications are absorbed, distributed, metabolized, and eliminated by the body.

### 4. RAS - SHASTRA & BHASIIYA KALPANA

1. **Ayurvedic Pharmaceuticals:** Study of Ayurvedic medications, including their preparation, properties, and uses.

2. **Herbal Medicine Formulation:** Understanding of the principles and techniques used to formulate herbal medicines.

### PRACTICAL

#### Anatomy

1. **Dissection:** Hands-on experience with human cadavers or models to understand anatomical structures.
2. **Model-based learning:** Use of 3D models or virtual tools to visualize and explore anatomical structures.

#### Hygiene and Yoga

1. **Yoga practice:** Hands-on experience with yoga techniques, breathing exercises, and meditation.
2. **Hygiene demonstrations:** Practical demonstrations of hygiene practices, such as hand washing and sanitation.

#### Physiology

1. **Lab experiments:** Hands-on experiments to demonstrate physiological concepts, such as blood pressure measurement or ECG.
2. **Simulation-based learning:** Use of simulation tools to model physiological systems and processes.

#### Toxicology

1. **Lab testing:** Hands-on experience with laboratory tests to detect toxins or analyze their effects.
2. **Case studies:** Analysis of real-life cases of poisoning or toxicity to understand diagnosis and treatment.



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### First Aid

1. **Simulation-based training:** Hands-on practice with simulation tools to demonstrate first aid techniques, such as CPR or wound management.
2. **Emergency scenario training:** Training in emergency scenarios to practice decision-making and response.

### Pathology & Medicine

1. **Lab testing:** Hands-on experience with laboratory tests to diagnose diseases or analyze patient samples.
2. **Case studies:** Analysis of real-life cases to understand disease diagnosis, treatment, and management.

### Pharmacology

1. **Lab experiments:** Hands-on experiments to demonstrate pharmacological concepts, such as drug absorption or toxicity.
2. **Prescription analysis:** Analysis of prescriptions to understand medication use, dosage, and potential interactions.

### Ras-Shastra & Bhaisajya Kalpana

1. **Herbal medicine preparation:** Hands-on experience with preparing herbal medicines, including formulation and quality control.
2. **Quality control testing:** Practical experience with testing and evaluating the quality of herbal medicines.

### BOOK

1. **LAB TECH ANATOMY AND PHYSIOLOGY – BY DR. N. MURGESH**
2. **LAB TECH COMMUNITY HEALTH – BY DR. N. MURGESH**
3. **LAB TECH GENERAL BIOCHEMISTRY – BY DR. DINESH KUMAR SHUKLA,**  
**DR. N. MURGESH**
4. **LAB TECH CLINICAL BIOCHEMISTRY - BY DR. DINESH KUMAR SHUKLA,**  
**DR. N. MURGESH**
5. **LAB TECH CLINICAL PATHOLOGY - BY DR. N. MURGESH**
6. **LAB TECH HISTOPATHOLOGY & CYTOPATHOLOGY –**

BY DR. DINESH KUMAR SHUKLA, DR. N. MURGESH

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## DIPLOMA IN AYURVEDIC PHARMACY

7. LAB TECH HAEMATOLOGY - BY DR. DINESH KUMAR SHUKLA, DR. N. MURGESH
8. LAB TECH BLOOD BANKING - BY DR. N. MURGESH
9. LAB TECH MICROBIOLOGY I - BY DR. DINESH KUMAR SHUKLA, DR. N. MURGESH
10. LAB TECH MICROBIOLOGY II - BY DR. DINESH KUMAR SHUKLA, DR. N. MURGESH

