



**BIMS**  
Reg. No. E 7293  
Baroda

**BARODA INSTITUTE OF MEDICAL SCIENCE**

A Unit of Atmiya Education and Charitable Trust

Affiliated to GCVT, Govt. of Gujarat.

"BIMS", 1st Floor, Kachhiya Patel Wadi, Opp. Polo Ground, Nr. Kirtistambh,

Shiyapura, Rajmahal Road, Vadodara-390001. (O) : 0265-2426771

E-mail : bims\_baroda@yahoo.com | Web : www.barodainstitute.com

# **SYLLABUS**

## **OF**

### **MEDICAL LABORATORY**

#### **ASSISTANT**

##### **(PHLEBOTOMIST)**



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<b>COURSE ELIGIBILITY:</b>	<b>10<sup>th</sup>, 12<sup>th</sup> Sci. &amp; Com/Arts, any Graduation</b>
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<b>Duration:</b>	<b>6 Month</b>
<b>Theory / Practical :</b>	<b>3 Months Theory and Practical Training</b>
<b>Job Placement:</b>	<b>3 Months</b>



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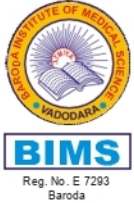
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## Syllabus Committee Member:-

Sr. No	Name	Designation	Technical Qualification	Experience In Years
1.	Mr. Anil B. Patel	Director	M.Sc., Cytotechnologist, Trained at Tata memorial Hospital, Bombay	28 years
2.	Mrs. Urmi Patel	Principal	DMLT, Medical Technologist	15 years
3.	Dr. Dhaval Shah	Faculty	BMHS	11 years
4.	Dr. Vinod Patel	Faculty	M. B. B. S.	50 years
5.	Dr. Pradeep Naik	Faculty	M. D. Physician	30 years
6.	Miss. Kinjal Patel	Faculty	B.Sc., PGDCM	08 years
7.	Mrs. Roma Patel	Faculty	M.Sc. Micro	10 years
8.	Miss. Happy Gandhi	Assistant Faculty	B.Sc. Botony, DMLT	01 year
9.	Mr. Ilesh Pandeya	Admin	Ex. Director Aeromodeling school	35 years
10.	Dr. Vinod Patel	Admin	Ex. Principal, Arts & Commerce College, Karjan	35 years
11.	Mr. Parthil Ray	Admin	B.B.A.	05 years



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## **INTRODUCTION TO PHLEBOTOMY & INFECTION CONTROL**

- Roles of Phlebotomist
- Define the term phlebotomy
- List the reason for blood collection
- List the duties and responsibilities of a phlebotomist
- Describe personal characteristics that are important in a phlebotomist
- Appropriate use of laboratory related medical terminology in daily activities with colleagues, patients and family

## **LEGAL ISSUES IN HEALTHCARE**

- Discuss the standard of care
- Discuss the basics elements of negligence
- Discuss and identify Patient's rights
- Explain scope of Practice
- Discuss and demonstrate patient consents and its types.

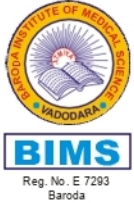
## **INTRODUCTION TO HUMAN ANATOMY & PHYSIOLOGY**

- Introduction of General Anatomy
- Anatomical directional terms
- Anatomical terms for describing muscles
- Anatomical terms for describing movements
- Introduction of General Physiology
- Biological systems & Branches'
- What to know about the integumentary system
- Organs of the body and their function (Vital organ & Non vital organ)

## **MEDICAL TERMINOLOGY**

- Identify and discuss the basic terminology

## **PHLEBOTOMY EQUIPMENT & SUPPLIES**



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- Identify Phlebotomy equipment used for performing Phlebotomy
- Identify Phlebotomy supplies used for performing Phlebotomy
- Describe correct specimen transport, handling and processing procedures
- Apply the knowledge learned to fulfill the job responsibilities of an entry level Phlebotomy Technician
- Identify and demonstrate gloves removal techniques

## **PHLEBOTOMY PROCEDURES**

- Identify and Demonstrate Bleeding Time Competency
- Identify and Demonstrate Glucose testing Competency
- Identify and Demonstrate Capillary Tube Blood Collection Procedure
- Identify and Demonstrate Preparing Blood Smear
- Identify and Demonstrate Venous Blood Collection using a multipurpose sample Syringe and Needle
- Identify and Demonstrate Venous Blood Collection using a Butterfly Needle

## **PHLEBOTOMY FUNDAMENTAL ESSENTIALS**

- Discuss Phlebotomy Complication
- Discuss the areas of concerns on Phlebotomy
- Discuss and Demonstrate Tourniquet test