

**H.N.B. Garhwal University, Srinagar, Garhwal**

***Examination Scheme, Syllabus & Ordinances***

**For**

**Bachelor of Medical Microbiology**

**Dolphin Institute of Bio-Medical & Natural Sciences**  
*Manduwala, Dehradun*

# DISTRIBUTION OF MARKS TO VARIOUS DISCIPLINES

## B.Sc. Medical Microbiology

### Ist Year

Paper No.	Theory/Papers	Paper Code	Duration	Theory (Max.Marks)		Total	Practical (Max. Marks)		Total
				Sessional	Annual		Sessional	Annual	
I.	Human Anatomy & Physiology		3 hrs	30	70	100	30	70	100
II.	Basic Pathology		3 hrs	30	70	100			
III.	Clinical Biochemistry		3 hrs	30	70	100	30	70	100
IV.	Preventive Medicine & Health Care		3 hrs	30	70	100			
V.	Fundamentals of Medical Microbiology		3 hrs	30	70	100	30	70	100
VI.	Instrumentation Techniques in Medical Microbiology		3 hrs	30	70	100			
Total Marks				180	420	600	90	210	300

### 2<sup>nd</sup> Year

Paper No.	Theory/Papers	Paper Code	Duration	Theory (Max.Marks)		Total	Practical (Max. Marks)		Total
				Sessional	Annual		Sessional	Annual	
I.	Bacterial Pathogens & Associated Diseases		3 hrs	30	70	100	30	70	100
II.	Systematic Bacteriology		3 hrs	30	70	100			
III.	Misc. Microbes, Fungal Pathogens & Ass. Diseases		3 hrs	30	70	100	30	70	100
IV.	Lab Diagnosis of Microbial		3 hrs	30	70	100			
V.	Human Parasitology		3 hrs	30	70	100	30	70	100
VI.	Applied Medical Microbiology		3 hrs	30	70	100			
Total Marks in 2 <sup>nd</sup> year				180	420	600	90	210	300

## B.Sc. Medical Microbiology

### 3<sup>rd</sup> Year

Paper No.	Theory/Papers	Paper Code	Duration	Theory (Max.Marks)		Total	Practical (Max. Marks)		Total
				Sessional	Annual		Sessional	Annual	
I.	Pathogenic Viruses and Associated Diseases		3 hrs	30	70	100	30	70	100
II.	Applied immunology & Serodiagnosis		3 hrs	30	70	100			
III.	Advanced Diagnostic Technology		3 hrs	30	70	100	30	70	100
IV.	Automation & Computerization in Medical Micro.		3 hrs	30	70	100			
V.	Molecular Biology & Clinical Lab.		3 hrs	30	70	100	30	70	100
Total Marks in 3 <sup>rd</sup> year				150	350	500	90	210	300

# INTERNSHIP

## General

Internship is a phase of training wherein a graduate is expected to conduct actual practice of Medical Microbiology and acquire skills under supervision so that he/she may become capable of functioning independently.

## SPECIFIC OBJECTIVES

At the end of internship training the graduate shall be able to:

- (i) Perform all the diagnostic techniques
- (ii) Use discretely the essential laboratory services
- (iii) Manage all type of clinical diagnostic methods
- (iv) Demonstrate skills in handling the modern equipment in Medical Microbiology
- (v) Develop leadership qualities to function effectively as a reader of the Laboratory environment
- (vi) Render services to the Laboratory set up and to communicate effectively with the Doctors and the hospital management.

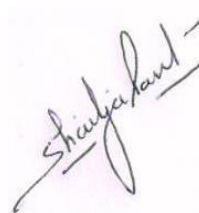
## INTERNSHIP TIME DISTRIBUTION

### Main Objective

Development of skill and competency in data processing, reporting and maintenance of records, Laboratory investigations.

Total Period of Internship: 6 months

Histopathology & Cytology lab.	1-½ Months Clinical
Pathology & Hematology Lab.	1-½ Months Clinical
Biochemistry Lab	1-½ Months
Medical Microbiology Lab	1Month
Transfusion Medicine/Blood Bank	15 days



Principal  
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