

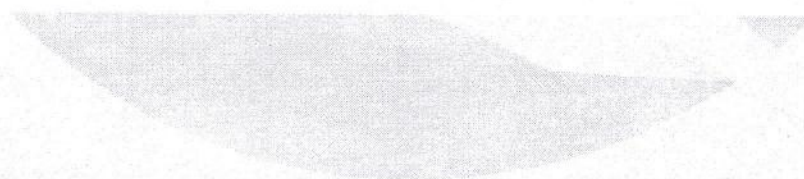
**INVERTIS**  
**UNIVERSITY BAREILLY**  
**BUILDING VIBRANT PERSONALITIES**



**COURSE STRUCTURE**

**DEPARTMENT OF BIOTECHNOLOGY**

**NAAC CRITERIA 1.2.2**



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# **SCHEME OF INSTRUCTION & SYLLABUS**

FOR



**DOCTOR OF PHILOSOPHY**  
**(Ph. D.)**

IN

## **BIOTECHNOLOGY**

(Academic Session: 2014)

**DEPARTMENT OF BIOTECHNOLOGY**  
**INVERTIS UNIVERSITY, NH24, BAREILLY - 243 123**

**DOCTOR OF PHILOSOPHY (Ph.D.)**  
**IN**  
**BIOTECHNOLOGY**  
**COURSE STRUCTURE**

(EFFECTIVE FROM THE ACADEMIC SESSION: 2014)

1. Duration of the Pre-Ph.D. course: Six Months
2. Qualifying Marks: 50% (in each paper)

S. No.	CODE	SUBJECT	MARKS DISTRIBUTION			CREDIT
			IAM*	SM	TOTAL	
1.	DRM-101	RESEARCH METHODOLOGY	30	70	100	4
2.	PBT-102	INSTRUMENTATION IN BIOTECHNOLOGY	30	70	100	4
<b>ELECTIVE PAPER (ANY ONE)</b>						
3.	PBT-103	ADVANCES IN BIOTECHNOLOGY	30	70	100	4
4.	PBT-104	MOLECULAR & STRUCTURAL BIOLOGY				
5.	PBT-105	IMMUNOLOGY & VACCINE TECHNOLOGY				
6.	PBT-106	BIOLOGICAL ENGINEERING				
<b>TOTAL</b>			<b>90</b>	<b>210</b>	<b>300</b>	<b>12</b>

\* TWO ASSIGNMENTS OF 10 MARKS EACH AND SEMINAR OF THE CONCERNED PAPER 10 MARK.

  
 Registrar  
 Invertis University  
 Bareilly