

## B.Sc. Computer Science (G), 1<sup>st</sup> Semester

### Paper I :- Problem Solving with Computer

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)
1.	Computer Fundamentals	05	--
2.	Planning the Computer Program	05	02
3.	Techniques of Problem Solving	05	02
4.	Overview of Programming	05	06
5.	Introduction to Python	10	04
6.	Creating Python Programs	10	08
7.	Structures	10	08
8.	Introduction to Advanced Python	10	--
<b>Total Number of Classes</b>		<b>60</b>	<b>30</b>

## B.Sc. Computer Science (G), 2<sup>nd</sup> Semester

### Paper-II:- Database Management Systems

Sl.No	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)
1.	Introduction to Database Management Systems	10	--
2.	Entity Relationship and Enhanced ER Model	15	08
3.	Relational Data Model	15	08
4.	Database design	20	14
<b>Total Number of Classes</b>		<b>60</b>	<b>30</b>

## B.Sc. Computer Science (G), 3<sup>rd</sup> Semester

### Paper-III:- Operating Systems

Sl.No	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)
1.	Introduction	02	--
2.	Types of operating systems	02	--
3.	Operating System Organization	10	--
4.	Process Management	15	--
5.	Scheduling	12	--
6.	Memory Management	12	--
7.	Shell introduction and Shell Scripting	07	30
<b>Total Number of Classes</b>		<b>60</b>	<b>30</b>