Bachelor of Computer Application (B.C.A.)

FIRST SEMESTER

PART- A (THEORY)					
TH No.	Subject	Lecture (working hours/ week)	Tutorial (working hours/ week)	Practical (working hours/ week)	Credit
TH 1.1	Fundamental of Computers	3	1	0	4
TH 1.2	Mathematics - I	3	1	0	4
TH 1.3	Digital Design	3	1	0	4
TH 1.4	Communication Skills & Personality Development	3	1	0	4
TH 1.5	Programming with C	2	1	0	3
PART- B (PRACTICAL)					
PR 1.1	Fundamental of Computers	0	0	2	1
PR 1.3	Digital Design	0	0	2	1
PR 1.5	Programming with C	0	0	4	2
				Total Credits	**23**

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SECOND SEMESTER

PART- A (THEORY)					
TH No.	Subject	Lecture (working hours/ week)	Tutorial (working hours/ week)	Practical (working hours/ week)	Credit
TH 2.1	Mathematics -II	3	1	0	4
TH 2.2	Data Structure	3	0	0	3
TH 2.3	Accounting & Financial Management	2	1	0	3
TH 2.4	Computer Architecture & Organization	2	1	0	3
TH 2.5	Object Oriented Programming using JAVA	3	0	0	3
PART- B (PRACTICAL)					
PR 2.2	Data Structure	0	0	4	2
PR 2.3	Accounting & Financial Management	0	0	2	1
PR 2.4	Computer Architecture & Organization	0	0	2	1
PR 2.5	Java Programming	0	0	4	2
				Total Credits	**22**
COMPULSORY PAPER					
ENVS	**Environmental Studies**				

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THIRD SEMESTER

PART- A (THEORY)					
TH No.	Subject	Lecture (working hours/ week)	Tutorial (working hours/ week)	Practical (working hours/ week)	Credit
TH 3.1	Mathematics - III	3	1	0	4
TH 3.2	Formal Language & Automata	3	1	0	4
TH 3.3	Software Engineering	3	0	0	3
TH 3.4	Introduction to System Software	2	1	0	3
TH 3.5	Operating System	3	0	0	3
PART- B (PRACTICAL)					
PR 3.3	Software Engineering	0	0	4	2
PR 3.4	Introduction to System Software	0	0	2	1
PR 3.5	Operating System	0	0	4	2
				Total Credits	**22**

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FOURTH SEMESTER

PART- A (THEORY)					
TH No.	Subject	Lecture (working hours/ week)	Tutorial (working hours/ week)	Practical (working hours/ week)	Credit
TH 4.1	Introduction to Artificial Intelligence	2	1	0	3
TH 4.2	Database Management System	3	0	0	3
TH 4.3	Data Communication & Computer Networks	3	1	0	4
TH 4.4	Scientific Computing using Mathematical Software	2	0	0	2
PART- B (PRACTICAL/ MINOR PROJECT -I)					
PR 4.2	Database Management System	0	0	4	2
PR 4.3	Data Communication & Computer Networks	0	0	2	1
PR 4.4	Scientific Computing using Mathematical Software	0	0	4	2
PR 4.5	Minor Project	0	0	8	4
				Total Credits	**21**

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FIFTH SEMESTER

PART- A (THEORY)					
TH No.	Subject	Lecture (working hours/ week)	Tutorial (working hours/ week)	Practical (working hours/ week)	Credit
TH 5.1	Introduction to Computer Graphics	2	1	0	3
TH 5.2	Operations Research	2	1	0	3
TH 5.3	Internet & Web Programming	2	1	0	3
TH 5.4	Cloud Computing	2	1	0	3
PART- B (PRACTICAL/ MINOR PROJECT -II)					
PR 5.1	Computer Graphics	0	0	2	1
PR 5.2	Operations Research	0	0	2	1
PR 5.3	Internet and Web Programming	0	0	4	2
PR 5.5	Minor Project II	0	0	10	5
				Total Credits	**21**

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SIXTH SEMESTER

PART- A (MAJOR PROJCT)					
TH No.	Subject	Lecture (working hours/ week)	Tutorial (working hours/ week)	Practical (working hours/ week)	Credit
TH 6.1	Major Project	-	-	-	20
				Total Credits	**20**