

RATHNAVEL SUBRAMANIAM COLLEGE OF ARTS & SCIENCE
(Autonomous)
Sulur, Coimbatore – 641 402

SCHEME OF EXAMINATIONS – CBCS PATTERN

SCHOOL OF COMPUTER STUDIES (UG)

PROGRAMME: B.Sc. (INFORMATION TECHNOLOGY)

(Effective from the academic year 2017-18)



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PRINCIPAL

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RATHNAVEL SUBRAMANIAM COLLEGE OF ARTS & SCIENCE

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SCHEME OF EXAMINATIONS

B.Sc. (INFORMATION TECHNOLOGY)

2017-2018 BATCH

Semester	Course Opted	Course Name	D	L	T	P	CIA	ES	Marks	Credits
I										
	MIL-I	Tamil-I/ Hindi-I/ Malayalam-I/French-I/ Arabic-I	3	6	-	-	25	75	100	4
	AECC-GI	English I-Grammar and Usage	3	6	-	-	25	75	100	4
	DSC – I	C Programming	3 3	4		4	25 40	75 60	100	6
	DSC - II	Mathematics for Computer Science –I	3	5	1		25	75	100	6
	NCC-III	NCC/NSS/ SPORTS/CULTURALS	-	1	-	-	-	-	-	-
	LIB	Library	-	1	-	-	-	-	-	-
		Total				28			400	20
II										
	MIL-II	Tamil-II/ Hindi-II/ Malayalam-II/French-II/ Arabic-II	3	6	-	-	25	75	100	4
	AECC-GI	English II- Communicative English	3	6	-	-	25	75	100	4
	DSC – III	Introduction to Computing using Python	3 3	4		4	25 40	75 60	100	6
	DSC – IV	Mathematics for Computer Science –II	3	5	1		25	75	100	6
	AECC – G2	Environmental Studies	3	1			100	-	100	1
	NCC-III	NCC/NSS/ SPORTS/CULTURALS	-	1	-	-	-	-	-	-
					28			500	21	

Semester	Course Opted	Course Name	D	L	T	P	CIA	ES	Marks	Credits
III										
	DSC – V	Data Structures	3	4		4	25	75	100	6
			3				40	60		
	DSC – VI	Operating Systems & Computer Networks	3	5	1		25	75	100	6
	DSE-I	DSE: Elective-I	3	4		4	25	75	100	6
			3				40	60		
	SEC – 1	Communicative Skills I	3	2			50		50	2
	NCC-I	Career Skills I	3	2			Grade			
	NCC-III	NCC/NSS/ SPORTS/CULTURALS	-	1	-	-	-	-	-	-
	LIB	Library	-	1				-		
	Total				28			350	20	
IV										
	DSC – VII	Design and analysis of Algorithms	3	4		4	25	75	100	6
							40	60		
	DSC – VIII	Basic IP Services	3	5	1		25	75	100	6
	DSE-II	DSE: Elective-II	3	4		4	25	75	100	6
			3				40	60		
	SEC – 1	Communicative Skills II	3	2			50	-	50	2
	NCC-I	Career Skills II	3	2			Grade			
	NCC-III	NCC/NSS/ SPORTS/CULTURALS	-	1	-	-	-	-	-	-
	AECC-G2	Aptitude	3	3			100		100	3
					30			450	23	

Semester	Course Opted	Course Name	D	L	T	P	CIA	ES	Marks	Credits	
V	DSC –IX	Database Management Systems	3	4		4	25	75	100	6	
			3				40	60			
	DSC – X	Software Engineering & UML	3	5	1		25	75	100	6	
	DSE-III	DSE: Elective-III	3	5	1		25	75	100	6	
	EDC	EDC: Elective	3	5	1		25	75	100	6	
		Group A									
	SEC – II	Placement - College to Corporate I	3	2				50	-	50	2
		Placement - College to Corporate II	3	2				50	-	50	2
		Group B									
	SEC – II	PC-Hardware & Troubleshooting	3	4				100	-	100	4
	Total				30					500	28
VI											
	DSC – XI	NoSQL Database	3	4		4	25	75	100	6	
			3				40	60			
	DSC – XII	Professional IP Networks	3	5	1		25	75	100	6	
	DSE-IV	DSE: Elective-IV	3	4		4	25	75	100	6	
			3				40	60			
	DSE – V	Elective-V:Project Work & Viva Voce	3	6			40	60	100	6	
		ALCTA * (e-Learning in MOOC Platform)						4*			
					28					400	24
Total									2600	140	

* Extra Optional Credit Course (ALCTA)			
Any 1 Course with 4 extra credits			
	*e-Learning in MOOC Platform	*4 CREDITS	Completion

NonCredit Course – Group II (COP)

I Semester	2D Design Concepts Paper –I	B.Sc.IT	Completion
II Semester	2D Design Concepts Practical – I	B.Sc.IT	Completion
III Semester	3D Fundamentals Paper –II	B.Sc.IT	Completion
IV Semester	3D Fundamentals Practical – II	B.Sc.IT	Completion
V Semester	3D Industry Workflow Paper – III	B.Sc.IT	Completion
VI Semester	3D Industry Workflow Practical – III	B.Sc.IT	Completion

ABBREVIATIONS

MIL	Multi Indian/ International Languages
AECC-G1	Ability Enhancement Compulsory Courses – I & II: Group-I (English)
AECC-G2	Ability Enhancement Compulsory Courses – II & IV: Group-II
DSC	Discipline Specific Courses
DSE	Discipline Specific Elective Courses
EDC	Extra Disciplinary Course
SEC	Skill Enhancement Courses
ALCTA	Advanced Learners Course in Thrust Areas– e Learning in MOOC platform

DSE I -Discipline Specific Elective Courses I: (III Semester)

1. Fundamentals of Networks
2. Ethernet LAN & V-LAN

DSE II- Discipline Specific Elective Courses II: (IV Semester)

1. Advanced IP services
2. Implementing IPV4 with VLSM

DSE III-Discipline Specific Elective Courses III: (V Semester)

1. Cyber Security I
2. Machine Learning I
3. Smart Phone App Development I

DSE IV- Discipline Specific Elective Courses IV: (VI Semester)

1. Cyber Security II
2. Machine Learning II
3. Smart Phone App Development II

NCC - I (Non – Credit course) Group – I

The assessment will be done by RVS Training Academy and grade will be given based on internal evaluation in the respective semester

NCC – III (Non – Credit Course) Group – III

The students shall complete the activities in the concerned semester and completion status will be mentioned in their fifth semester mark statement. However, completing the activities listed in Group - III is mandatory to complete their degrees.

Note for DSC/DSE (Theory & Practical) Evaluation

Courses comprising both theory & practical will be assessed separately. A separate pass in both theory & practical is mandatory. Theory will be evaluated 25:75 pattern & practical will be evaluated in 40:60 pattern and finally the marks will be converted to 100 by giving equal weightage for both theory & practical. In case if the candidate fails in practical, it is enough if he reappears in practical alone and vice versa.