

SECOND YEAR: INFORMATION TECHNOLOGY

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER -III

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
IT 3.1	Applied Mathematics-III	3	1	--	3	100	25	--	--	--	125
IT 3.2	Numerical Methods	3	1	2	3	100	25	25	--	--	150
IT 3.3	Signals and Systems	3	1	--	3	100	25	--	--	--	125
IT 3.4	Analog and Digital Circuits	3	1	2	3	100	25	--	--	25	150
IT 3.5	Data Structures	3	1	2	3	100	25	--	25	--	150
IT 3.6	Object-Oriented Programming System	3	1	2	3	100	25	--	25	--	150
TOTAL		18	06	08	--	600	150	25	50	25	850

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

SECOND YEAR: INFORMATION TECHNOLOGY

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER –IV

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
IT 4.1	Discrete Mathematical Structures	3	1	--	3	100	25	--	--	--	125
IT 4.2	Entrepreneurship Development	3	--	--	3	100	25	--	--	--	125
IT 4.3	Computer Organization and Architecture	3	1	2	3	100	25	25	--	--	150
IT 4.4	Software Engineering	3	1	2	3	100	25	--	25	--	150
IT 4.5	Design and Analysis of Algorithms	3	1	2	3	100	25	--	--	25	150
IT 4.6	Microprocessors and Interfacing	3	1	2	3	100	25	--	25	--	150
TOTAL		18	05	08	--	600	150	25	50	25	850

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THIRD YEAR: INFORMATION TECHNOLOGY

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER –V

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
IT 5.1	Introduction to Data Communication	3	1	--	3	100	25	--	--	--	125
IT 5.2	Java Programming	3	1	2	3	100	25	--	25	--	150
IT 5.3	Statistical Models for Information Science	3	--	--	3	100	25	--	--	--	125
IT 5.4	Intelligent Agents	3	1	2	3	100	25	25	--	--	150
IT 5.5	Operating Systems	3	1	2	3	100	25	--	--	25	150
IT 5.6	Database Management Systems	3	1	2	3	100	25	--	25	--	150
TOTAL		18	05	08	--	600	150	25	50	25	850

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THIRD YEAR: INFORMATION TECHNOLOGY

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER -VI

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
IT 6.1	Data Mining	3	1	2	3	100	25	--	--	--	125
IT 6.2	Theory of Computation	3	1	--	3	100	25	25	--	--	150
IT 6.3	Computer Networks	3	1	2	3	100	25	--	--	25	150
IT 6.4	Computer Graphics	3	1	2	3	100	25	--	25	--	150
IT 6.5	Web Technology	3	1	2	3	100	25	--	25	--	150
IT 6.6	Software Testing and Quality Assurance	3	1	--	3	100	25	--	--	--	125
TOTAL		18	06	08	--	600	150	25	50	25	850

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FINAL YEAR: INFORMATION TECHNOLOGY

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER –VII

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
IT 7.1	Distributed Systems	3	1	2	3	100	25	--	--	--	125
IT 7.2	Principles of Compilers	3	1	2	3	100	25	--	25	--	150
IT 7.3	Mobile Computing	3	1	2	3	100	25	--	--	25	150
IT 7.4	Elective-I	3	1	2	3	100	25	--	--	25	150
IT 7.5	Elective-II	3	1	-	3	100	25	--	--	--	125
IT 7.6	Project	--	--	4	--	--	--	--	--	25	25
TOTAL		15	05	12	--	500	125	--	25	75	725

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List of Electives

Subject Code	Elective-I	Subject Code	Elective-II
IT 7.4 .1	Operation Research	IT 7.5.1	Geographical Information System
IT 7.4 .2	Genetic Algorithms	IT 7.5.2	Cyber laws and Computer Forensic
IT 7.4 .3	Bio Informatics	IT 7.5.3	Financial Engineering
IT 7.4 .4	E-Commerce	IT 7.5.4	IT Business Methodology
IT 7.4 .5	Digital Signal Processing	IT 7.5.5	Computer Forensic

FINAL YEAR: INFORMATION TECHNOLOGY

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER –VIII

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
IT 8.1	Image processing and Pattern Recognition	3	1	2	3	100	25	--	--	25	150
IT 8.2	Computer Cryptography	3	1	2	3	100	25	--	25	--	150
IT 8.3	Elective-III	3	1	2	3	100	25	--		--	125
IT 8.4	Elective-IV	3	1	2	3	100	25	--	--	25	150
IT 8.5	Project*	--	--	8	--	--	--	75	--	75	150
TOTAL		12	04	16	--	400	100	75	25	125	725

* Term Work in Project is a separate Head of Passing.

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List of Electives

Subject Code	Elective-III	Subject Code	Elective-IV
IT 8.3.1	Web Services	IT 8.4.1	VLSI Design
IT 8.3.2	Natural Language Processing	IT 8.4.2	Embedded System Design
IT 8.3.3	Design Patterns and Frameworks	IT 8.4.3	System Performance and Evaluation
IT 8.3.4	Fuzzy Logic and Neural Networks	IT 8.4.4	Advanced Computer Architecture
IT 8.3.5	Functional Programming	IT 8.4.5	Grid Computing