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	Image Processing	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	Embedded System Design	IT 7.5.1	Geographical Information System
IT 7.4 .2	Genetic Algorithms	IT 7.5.2	Computer Forensics
IT 7.4 .3	Bio Informatics	IT 7.5.3	Digital Signal processing
IT 7.4 .4	Electronic Commerce	IT 7.5.4	IT Business Methodology

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	Distributed System	3	1	2	3	100	25	--	--	25	150
IT 8.2	Computer Cryptography and Network Security	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	Cloud Computing
IT 8.3.3	Fuzzy Logic and Neural Networks	IT 8.4.3	Advanced Computer Architecture
IT 8.3.4	Advanced Data Structures and Algorithms	IT 8.4.4	Storage Area Networks