RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS CURRICULUM – R2017)

CHOICE BASED CREDIT SYSTEM

Common to all B.E/B.Tech Programme – I Semester

Sl. No.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
SEMESTER I
THEORY
1	HS17151	Communicative English	HS	3	3	0	0	3
2	MA17151	Engineering Mathematics - I	BS	5	3	2	0	4
3	PH17151	Engineering Physics	BS	3	3	0	0	3
4	CY17151	Engineering Chemistry	BS	3	3	0	0	3
5	GE17151	Problem Solving and Python Programming	ES	3	3	0	0	3
6	GE 17152	Engineering Graphics	ES	6	2	0	4	4
PRACTICALS
7	GE 17161	Problem Solving and Python Programming Laboratory	ES	4	0	0	4	2
8	GE 17162	Physics and Chemistry Lab	BS	4	0	0	4	2
TOTAL	31	17	2	12	24

RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS CURRICULUM – R2017)
CHOICE BASED CREDIT SYSTEM
B.E. AERONAUTICAL ENGINEERING

SEMESTER II

SL. No.	COURSE CODE	COURSE TITLE	Category	L	T	P	C
THEORY							
1	HS17251 / HS17252	Technical English / Professional English	HS	3	0	0	3
2	MA17251	Engineering Mathematics – II	BS	3	2	0	4
3	PH17251	Material Science	BS	3	0	0	3
4	CY17251	Environmental Science and Engineering	HS	3	0	0	3
5	EE17251	Basic Electrical, Electronics and Instrumentation Engineering	ES	3	0	0	3
6	GE17251	Engineering Mechanics	ES	2	2	0	3
PRACTICALS							
7	GE17261	Engineering Practice Laboratory	ES	0	0	4	2
8	GE17262	Basic Electrical, Electronics and Instrumentation Engineering Laboratory	ES	0	0	4	2
		TOTAL	29	17	4	8	23

RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS CURRICULUM – R2017)
CHOICE BASED CREDIT SYSTEM
B.E. AUTOMOBILE ENGINEERING

Sl. No.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
SEMESTER II								
THEORY								
1	HS17251	Technical English	HS	3	3	0	0	3
	HS17252	Professional English Communication						
2	MA17251	Engineering Mathematics - II	BS	5	3	2	0	4
3	AT17201	Applied Thermodynamics	PC	3	3	0	0	3
4	CY17251	Environmental Science and Engineering	HS	3	3	0	0	3
5	EE17252	Basic Electrical, Electronics and Instrumentation Engineering	ES	3	3	0	0	3
6	GE17251	Engineering Mechanics	ES	4	2	2	0	3
PRACTICALS								
7	GE17261	Engineering Practices Lab	ES	4	0	0	4	2
8	EE17262	Basic Electrical, Electronics and Instrumentation Engineering Laboratory	ES	4	0	0	4	2
		TOTAL		29	17	4	8	23

RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS CURRICULUM – R2017)
CHOICE BASED CREDIT SYSTEM

B.E. BIOMEDICAL ENGINEERING
SEMESTER II

SI.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS17251/ HS17252	Technical English/ Professional English Communication	HS	3	3	0	0	3
2.	MA17251	Engineering Mathematics II	BS	5	3	2	0	4
3.	PH17252	Physical science for Biomedical Engineers	BS	3	3	0	0	3
4.	ME17202	Engineering Mechanics for Biomedical Engineers	ES	3	3	0	0	3
5.	EC17201	Electron Devices	PC	3	3	0	0	3
6.	EE17202	Electric Circuit Theory	PC	4	4	0	0	4
PRACTICALS								
7.	GE17261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	EC17211	Circuits and Devices Laboratory	PC	4	0	0	4	2
				29	19	2	8	24

RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS CURRICULUM – R2017)
CHOICE BASED CREDIT SYSTEM

B.TECH-BIOTECHNOLOGY
SEMESTER - II

S. No	COURSE CODE	COURSE TITLE	CATE GORY	CONTACT PERIODS	L	T	P	C
THEORY								
1	HS17251 / HS17252	Technical English / Professional English	HS	4	4	0	0	3
2	MA17251	Engineering Mathematics–II	BS	5	3	2	0	4
3	PH17253	Physics of Materials	BS	3	3	0	0	3
4	CY17202	Bioorganic Chemistry	BS	3	3	0	0	3
5	ME17201	Basic Civil and Mechanical Engineering	ES	4	2	2	0	3
6	BT17201	Biochemistry	PC	4	4	0	0	3
PRACTICALS								
7	GE17261	Engineering Practices Lab	ES	4	0	0	4	2
8	BT17211	Biochemistry Lab	PC	4	0	0	4	2
			TOTAL	31	19	4	8	23

RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS CURRICULUM – R2017)
CHOICE BASED CREDIT SYSTEM

B.E. CIVIL ENGINEERING

SEMESTER II

S.NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
9.	HS17251	Technical English	HS	3	3	0	0	3
	HS17252	Professional English Communication	HS	3	3	0	0	3
10.	MA17251	Engineering Mathematics - II	BS	5	3	2	0	4
11.	PH17257	Physics For Civil Engineering	BS	3	3	0	0	3
12.	EE17251	Basic Electrical, Electronics and Engineering	ES	3	3	0	0	3
5	CY17251	Environmental Science and Engineering	HS	3	3	0	0	3
6.	GE17251	Engineering Mechanics	ES	4	2	2	0	3
PRACTICALS								
7	GE17261	Engineering Practices Laboratory	ES	4	0	0	4	2
8	CE17211	Computer Aided Building Drawing	PC	4	0	0	4	2
			TOTAL	32	20	4	8	23

RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS CURRICULUM – R2017)
CHOICE BASED CREDIT SYSTEM

B. TECH. CHEMICAL ENGINEERING

SEMESTER II

S. No	COURSE CODE	COURSE TITLE	CATE GORY	CONTACT PERIODS	L	T	P	C
THEORY								
1	HS17251	Technical English	HS	4	4	0	0	4
2	MA17251	Engineering Mathematics - II	BS	5	3	2	0	4
3	PH17253	Physics of Materials	BS	3	3	0	0	3
4	CY17201	Chemistry for Technologists	BS	3	4	0	0	3
5	ME17252	Basic Mechanical Engineering	ES	3	3	0	0	3
6	CH17201	Principles of Chemical Engineering	PC	3	3	0	0	3
PRACTICALS								
7	GE17261	Engineering Practices Laboratory	ES	4	0	0	4	2
8	CY17211	Chemical Analysis Laboratory	BS	4	0	0	4	2
			TOTAL	29	21	0	8	24

RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS CURRICULUM – R2017)
CHOICE BASED CREDIT SYSTEM

B.E. COMPUTER SCIENCE AND ENGINEERING

SEMESTER II

S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS17251	Technical English	HS	3	3	0	0	3
2.	MA17251	Engineering Mathematics II	BS	5	3	2	0	4
3.	PH17254	Physics for Information Science	BS	3	3	0	0	3
4.	CS17201	Programming in C	PC	3	3	0	0	3
5.	CS17202	Digital System Design	PC	3	3	0	0	3
6.	CY17251	Environmental Science and Engineering	HS	3	3	0	0	3
PRACTICALS								
7.	GE17261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	CS17211	C Programming Laboratory	PC	4	0	0	4	2
9.	CS17212	Digital Laboratory	ES	4	0	0	4	2
			TOTAL	32	18	2	12	25

RAJALAKSHMI ENGINEERING COLLEGE

(AUTONOMOUS CURRICULUM – R2017)
CHOICE BASED CREDIT SYSTEM

B.E. ELECTRONICS AND COMMUNICATION ENGINEERING
SEMESTER II

SI.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS17251/ HS17252	Technical English/ Professional English Communication	HS	3	3	0	0	3
2.	MA17251	Engineering Mathematics II	BS	5	3	2	0	4
3.	PH17255	Physics for Electronics Engineering	BS	3	3	0	0	3
4.	CY17251	Environmental Science and Engineering	HS	3	3	0	0	3
5.	EC17201	Electron Devices	PC	3	3	0	0	3
6.	EC17202	Circuit Analysis	PC	4	4	0	0	4
PRACTICALS								
7.	GE17261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	EC17211	Circuits and Devices Lab	PC	4	0	0	4	2
			TOTAL	29	19	2	8	24

RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS CURRICULUM – R2017)
CHOICE BASED CREDIT SYSTEM

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING

SEMESTER II

S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS17251 / HS17252	Technical English/ Professional English	HS	3	3	0	0	3
2.	MA17251	Engineering Mathematics - II	BS	5	3	2	0	4
3.	PH17255	Physics for Electronics Engineering	BS	3	3	0	0	3
4.	CY17251	Environmental Science and Engineering	HS	3	3	0	0	3
5.	EE17202	Electric Circuit Theory	PC	4	4	0	0	4
6.	ME17251	Basic Civil and Mechanical Engineering	ES	3	3	0	0	3
PRACTICALS								
7.	GE17261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	EE17211	Electric Circuits Laboratory	PC	4	0	0	4	2
			TOTAL	29	19	2	8	24

RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS CURRICULUM – R2017)
CHOICE BASED CREDIT SYSTEM

B.TECH INFORMATION TECHNOLOGY
SEMESTER II

S. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.		Language Elective	HS	3	3	0	0	3
2.	MA17251	Engineering Mathematics II	BS	5	3	2	0	4
3.	PH17254	Physics for Information Science	BS	3	3	0	0	3
4.	CS17201	Programming in C	PC	3	3	0	0	3
5.	IT17201	Information Technology Essentials	PC	3	3	0	0	3
6.	EC17203	Digital Principles and System Design	ES	3	3	0	0	3
PRACTICALS								
7.	GE17261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	CS17211	C Programming Laboratory	PC	4	0	0	4	2
9.	EC17212	Digital Laboratory	ES	4	0	0	4	2
TOTAL				32	18	2	12	25

RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS CURRICULUM – R2017)
CHOICE BASED CREDIT SYSTEM

B.E. MECHATRONICS ENGINEERING

SEMESTER II

SL. NO.	COURSE CODE	COURSETITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.		Language Elective	HS	3	3	0	0	3
2.	MA17251	Engineering Mathematics II	BS	5	3	2	0	4
3.	PH17251	Materials Science	BS	3	3	0	0	3
4.	CY17251	Environmental Science and Engineering	HS	3	3	0	0	3
5.	EE17252	Basic Electrical, Electronics and Instrumentation Engineering	ES	3	3	0	0	3
6.	GE17251	Engineering Mechanics	ES	4	2	2	0	3
PRACTICALS								
7.	GE17261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	GE17262	Basic Electrical, Electronics and Instrumentation Engineering Laboratory	ES	4	0	0	4	2
			TOTAL	29	17	4	8	23

B.E. MECHANICAL ENGINEERING

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS17251/HS17252	Technical English/Professional communicative English	HS	3	3	0	0	3
2.	MA17251	Engineering Mathematics II	BS	5	3	2	0	4
3.	PH17251	Materials Science	BS	3	3	0	0	3
4.	CY17251	Environmental Science and Engineering	HS	3	3	0	0	3
5.	EE17252	Basic Electrical, Electronics and Instrumentation Engineering	ES	3	3	0	0	3
6.	GE17251	Engineering Mechanics	ES	4	2	2	0	3
PRACTICALS								
7.	GE17261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	GE17262	Basic Electrical, Electronics and Instrumentation Engineering Laboratory	ES	4	0	0	4	2
			TOTAL	**29**	**17**	**4**	**8**	**23**