

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Semester I (Set A)

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Technology B.Tech. (Common to all Disciplines)

Branches (CS, IT, EE, EX, EI, FT, AT, BT & BM)

Subject wise distribution of marks and corresponding credits

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted							Hours per week.			Total Credits	Remarks	
			Theory			Practical				Total Marks	L	T			P
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem	Lab Work	Assignment /Quiz/Term paper							
1	BT-1001	Engineering Chemistry	70	20	10	30	10	10	150	3	1	2	6	One credit refers to one hour teaching in theory, Tutorial and in practical.	
2	BT-1002	Mathematics-I	70	20	10	-	-	-	100	3	1		4		
3	BT-1003	English	70	20	10	30	10	10	150	3	1	2	6		
4	BT-1004	Basic Electrical and Electronics Engineering	70	20	10	30	10	10	150	3	1	2	6		
5	BT-1005	Engineering Graphics	70	20	10	30	10	10	150	3	1	2	6		
6	BT-1006	Workshop Practice	-	-	-	30	10	10	50	-	-	2	2	Total Marks	
Total			350	100	50	150	50	50	750	15	5	10	30	750	

MST: Minimum of two mid semester tests to be conducted.

L: Lecture

T: Tutorial

P: Practical

w.e.f. July-2017

Academic Session-2017-18

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Semester I (Set-B)

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Technology B.Tech. (Common to all Disciplines)

Branches(AU, ME, IP, CE, MI, TX, EC & CM)

Subject wise distribution of marks and corresponding credits

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted						Total Marks	Hours per week.			Total Credits	Remarks
			Theory			Practical				L	T	P		
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem	Lab Work	Assignment /Quiz/Term paper						
1	BT-2001	Engineering Physics	70	20	10	30	10	10	150	3	1	2	6	One credit refers to one hour teaching in theory, Tutorial and in practical.
2	BT-1002	Mathematics-I	70	20	10			100	3	1		4		
3	BT-2003	Basic Mechanical Engineering	70	20	10	30	10	10	150	3	1	2	6	
4	BT-2004	Basic Civil Engineering & Engineering Mechanics	70	20	10	30	10	10	150	3	1	2	6	
5	BT-2005	Basic Computer Engineering	70	20	10	30	10	10	150	3	1	2	6	
6	BT-2006	Language Lab	-	-	-	30	10	10	50	-	-	2	2	Total Marks
Total			350	100	50	150	50	50	750	15	5	10	30	750

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

w.e.f. July-2017

Academic Session-2017-18

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Semester II (Set-A)

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Technology B.Tech. (Common to all Disciplines)

Branches(CS,IT,EE,EX,EI,FT,AT,CM,BT& BM)

Subject wise distribution of marks and corresponding credits

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted							Hours per week.			Total Credits	Remarks	
			Theory			Practical				Total Marks	L	T			P
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem	Lab Work	Assignment /Quiz/Term paper							
1	BT-2001	Engineering Physics	70	20	10	30	10	10	150	3	1	2	6	One credit refers to one hour teaching in theory, Tutorial and in practical.	
2	BT-2002	Mathematics - II	70	20	10				100	3	1		4		
3	BT-2003	Basic Mechanical Engineering	70	20	10	30	10	10	150	3	1	2	6		
4	BT-2004	Basic Civil Engineering & Engineering Mechanics	70	20	10	30	10	10	150	3	1	2	6		
5	BT-2005	Basic Computer Engineering	70	20	10	30	10	10	150	3	1	2	6		
6	BT-2006	Language Lab	-	-	-	30	10	10	50	-	-	2	2	Total Marks	
Total			350	100	50	150	50	50	750	15	5	10	30	750	

MST: Minimum of two mid semester tests to be conducted.

L: Lecture

T: Tutorial

P: Practical

w.e.f. July-2017

Academic Session-2017-18

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Semester II (Set B)

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Technology B.Tech. (Common to all Disciplines)

Branches (AU, ME, IP, CE, MI, TX, EC & CM)

Subject wise distribution of marks and corresponding credits

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted						Total Marks	Hours per week.			Total Credits	Remarks
			Theory			Practical				L	T	P		
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem	Lab Work	Assignment /Quiz/Term paper						
1	BT-1001	Engineering Chemistry	70	20	10	30	10	10	150	3	1	2	6	One credit refers to one hour teaching in theory, Tutorial and in practical.
2	BT-2002	Mathematics-II	70	20	10	-	-	-	100	3	1		4	
3	BT-1003	English	70	20	10	30	10	10	150	3	1	2	6	
4	BT-1004	Basic Electrical and Electronics Engineering	70	20	10	30	10	10	150	3	1	2	6	
5	BT-1005	Engineering Graphics	70	20	10	30	10	10	150	3	1	2	6	
6	BT-1006	Workshop Practice	-	-	-	30	10	10	50	-	-	2	2	Total Marks
Total			350	100	50	150	50	50	750	15	5	10	30	750

MST: Minimum of two mid semester tests to be conducted.

L: Lecture

T: Tutorial

P: Practical

w.e.f. July-2017

Academic Session-2017-18

Rajiv Gandhi Proudhogiki Vishwavidyalaya, Bhopal

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Technology B.Tech. (Civil Engineering)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted							Hours / week.			Total Credits	Remarks
			Theory			Practical			Total Marks	L	T	P		
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz/Term paper						
1.	BT-3001	Energy, Environment, Ecology & Society	70	20	10	-	-	-	100	3	1	-	4	One credit refers to one hour teaching in theory, Tutorial and in practical.
2.	CE-3002	Fluid Mechanics	70	20	10	30	10	10	150	3	1	2	6	
3.	CE -3003	Strength of Materials	70	20	10	30	10	10	150	3	1	2	6	
4.	CE 3004	Advance Surveying, & Remote Sensing	70	20	10	30	10	10	150	3	1	2	6	
5.	CE-3005	Geology	70	20	10	30	10	10	150	3	1	2	6	
6.	CE-3006	Rural Outreach (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	
7.	CE-3007	NSS/NCC/Social Work (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	
			350	100	50	120	40	140	800	15	5	12	32	800

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

Rajiv Gandhi Proudhogiki Vishwavidyalaya, Bhopal

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Technology B.Tech. (Computer Science & Engineering)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted							Hours / week.			Total Credits	Remarks
			Theory			Practical			Total Marks	L	T	P		
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz/Term paper						
1	BT-3001	Energy, Environment, Ecology & Society	70	20	10	-	-	-	100	3	1	-	4	One credit refers to one hour teaching in theory, Tutorial and in practical.
2	CS-3002	Electronic Devices & Circuits	70	20	10	30	10	10	150	3	1	2	6	
3	CS-3003	Digital Circuit & Design	70	20	10	30	10	10	150	3	1	2	6	
4	CS-3004	Data Structures-II	70	20	10	30	10	10	150	3	1	2	6	
5	CS-3005	Discrete Structures	70	20	10	-	-	-	100	3	1	-	4	
6	CS-3006	Computer Programming-I (Java Technologies)	-	-	-	30	10	10	50	-	-	2	2	
7	CS-3007	Rural Outreach (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	
8	CS-3008	NSS/NCC/Social Work (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	
			350	100	50	120	40	140	800	15	5	12	32	800

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

Rajiv Gandhi Proudhogiki Vishwavidyalaya, Bhopal

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Technology B.Tech. (Electronics & Communication Engineering)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted							Hours / week.			Total Credits	Remarks
			Theory			Practical			Total Marks	L	T	P		
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz/Term paper						
1.	BT-3001	Energy, Environment, Ecology & Society	70	20	10	-	-	-	100	3	1	-	4	One credit refers to one hour teaching in theory, Tutorial and in practical.
2.	EC-3002	Digital circuits & system	70	20	10	30	10	10	150	3	1	2	6	
3.	EC-3003	Network Analysis	70	20	10	30	10	10	150	3	1	2	6	
4.	EC-3004	Electronic Devices & Circuits	70	20	10	30	10	10	150	3	1	2	6	
5.	EC-3005	Measurements and Instrumentation	70	20	10	30	10	10	150	3	1	2	6	
6.	EC-3006	Rural Outreach (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	
7.	EC-3007	NSS/NCC/Social Work (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	
			350	100	50	120	40	140	800	15	5	12	32	800

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Technology B.Tech. (Information Technology)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted							Hours / week.			Total Credits	Remarks
			Theory			Practical			Total Marks	L	T	P		
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz/Term paper						
1	BT-3001	Energy, Environment, Ecology & Society	70	20	10	-	-	-	100	3	1	-	4	One credit refers to one hour teaching in theory, Tutorial and in practical.
2	IT-3002	Analysis and Design of Algorithms	70	20	10	30	10	10	150	3	1	2	6	
3	IT-3003	Digital Circuit and System	70	20	10	30	10	10	150	3	1	2	6	
4	IT-3004	Object Oriented Programming & Methodology	70	20	10	30	10	10	150	3	1	2	6	
5	IT-3005	Discrete Structure	70	20	10	-	-	-	100	3	1	-	4	
6	IT-3006	Computer Programming-I (Java Technology)	-	-	-	30	10	10	50	-	-	2	2	
7	IT-3007	Rural Outreach (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	
8	IT-3008	NSS/NCC/Social Work (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	
			350	100	50	120	40	140	800	15	5	12	32	800

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

Rajiv Gandhi Proudhogiki Vishwavidyalaya, Bhopal

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Technology B.Tech. (Mechanical Engineering)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted							Total Marks	Hours / week.			Total Credits	Remarks
			Theory			Practical			L		T	P			
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz/Term paper							
1	BT-3001	Energy, Environment, Ecology & Society	70	20	10	-	-	-	100	3	1	-	4	One credit refers to one hour teaching in theory, Tutorial and in practical.	
2	ME-3002	Strength of Materials	70	20	10	30	10	10	150	3	1	2	6		
3	ME-3003	Theory of Machines & Mechanisms	70	20	10	30	10	10	150	3	1	2	6		
4	ME-3004	Manufacturing Process	70	20	10	30	10	10	150	3	1	2	6		
5	ME-3005	Thermodynamics	70	20	10	-	-	-	100	3	1	-	4		
6	ME-3006	Computer Programming-I (Java)	-	-	-	30	10	10	50	-	-	2	2		
7	ME-3007	Rural Outreach (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2		
8	ME-3008	NSS/NCC/Social Work (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	Total Marks	
			350	100	50	120	40	140	800	15	5	12	32	800	

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

Rajiv Gandhi Proudhogiki Vishwavidyalaya, Bhopal

Semester V

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Technology B.Tech. (Computer science & Engineering)

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted						Hours / week.			Total Credits	Remarks	
			Theory			Practical			Total Marks	L	T			P
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work	Assignment /Quiz/Term paper						
1	CS-5001	Data Communication	70	20	10	-	-	-	100	3	1	-	4	One credit refers to one hour teaching in theory, Tutorial and in practical.
2	CS-5002	Operating System	70	20	10	30	10	10	150	3	1	2	6	
3	CS-5003	Data Base Management System	70	20	10	30	10	10	150	3	1	2	6	
4	CS-5004	Computer Graphics & Multimedia	70	20	10	30	10	10	150	3	1	2	6	
5	CS-5005	Elective-I	70	20	10	-	-	-	100	3	1	-	4	
6	CS-5006	Computer Programming V (Unix/Linux Lab)	-	-	-	30	10	10	50	-	-	2	2	
7	CS-5007	Management Skill Development ** (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	
8	CS-5008	Innovative Thinking** (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	Total Marks
			350	100	50	120	40	140	800	15	5	12	32	800

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

** As per University Template

Department Elective-I (Four Subjects)	
S. No.	Subject Name
1	Object Oriented Analysis & Design
2	Cyber Security
3	Artificial Intelligence

Rajiv Gandhi Proudhogiki Vishwavidyalaya, Bhopal

Semester V

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Technology B.Tech. (Electronics and Communication Engineering)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

S. No.	Subject Code	Subject Name & Title	Maximum Marks Allotted							Hours / week.			Total Credits	Remarks
			Theory			Practical			Total Marks	L	T	P		
			End Sem	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work	Assignment /Quiz/Term paper						
1	EC-5001	Electromagnetic Field Theory	70	20	10	-	-	-	100	3	1	-	4	One credit refers to one hour teaching in theory, Tutorial and in practical.
2	EC-5002	Digital Communication	70	20	10	30	10	10	150	3	1	2	6	
3	EC-5003	Microprocessor and Microcontroller	70	20	10	30	10	10	150	3	1	2	6	
4	EC-5004	Communication Networks and Transmission Lines	70	20	10	30	10	10	150	3	1	2	6	
5	EC-5005	Elective-I	70	20	10	-	-	-	100	3	1	-	4	
6	EC-5006	Workshop-I	-	-	-	30	10	10	50	-	-	2	2	
7	EC-5007	Management Skill Development ** (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	
8	EC-5008	Innovative Thinking** (Internal Assessment)	-	-	-	-	-	50	50	-	-	2	2	
			350	100	50	120	40	140	800	15	5	12	32	Total Marks 800

MST: Minimum of two mid semester tests to be conducted.

** OR any other subject as suggested by the respective BOS

Workshop- Fabrication of circuits on ICs with P-Spice/Circuit Maker

L: Lecture T: Tutorial P: Practical

Department Elective-I (Four Subjects)	
S. No.	Subject Name
1	Computer System Organization
2	Bio Medical Instrumentation
3	Industrial Electronics
4	System Programming