

PEOPLE'S UNIVERSITY, BHOPAL
Scheme of Examination

PROGRAMME: B. Tech.
BRANCH : Civil Engineering (CE)

SEMESTER: VII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted										Total Credits	Remark			
			Theory Slot				Practical Slot			Total Marks					Credits Allotted Subject Wise		
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Term Work	L	T			P		
1	CET-701	Design of Steel Structures - I	70	20	05	05	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP		
2	Refer to table - I	Elective - I	70	20	05	05	-	-	100	3	1	-	04				
3	CET-703	Theory of Structures - II	70	20	05	05	35	10	05	150	3	1	2	06			
4	CET-704	Environmental Engineering - II	70	20	05	05	35	10	05	150	3	1	2	06			
5	CET-705	Steel structure lab-I	-	-	-	-	-	-	50	50	-	-	2	02			
6	CET-706	Major Project - I	-	-	-	-	105	40	05	150	-	-	6	06			
7	CET-707	Industrial training - II	-	-	-	-	70	25	05	100	-	-	4	04			
Total			280	80	20	20	245	85	70	800	12	4	16	32	800		

MST: Mid Semester Test (at least twice per Semester)

Table I: Elective-I

Subject Code	Name of Subject	L: Lecture	T: Tutorial	P: Practical
CET-7101	Traffic Engineering			
CET-7102	Cost effective and Eco Friendly Construction			
CET-7103	Design of Hydraulic Structures			

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PEOPLE'S UNIVERSITY, BHOPAL
Scheme of Examination

PROGRAMME: B. Tech.
BRANCH : Civil Engineering (CE)

SEMESTER: VIII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted				Practical Slot			Total Marks	Credits Allotted Subject Wise			Total Credits	Remark
			Theory Slot		Attendance	End Sem	Term Work	Assignment /Quiz/Attendance	L		T	P			
			End Sem	MST									Quiz, Assignment		
1	CET-801	Design of Steel Structures - II	70	20	05	05	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP	
2	Refer to table-II	Elective - I	70	20	05	05	-	-	100	3	1	-	04		
3	CET-803	Geotechnical Engineering - II	70	20	05	05	35	10	150	3	1	2	06		
4	CET-804	Estimation & Costing	70	20	05	05	35	10	150	3	1	2	06		
5	CET-805	Steel Structure lab - II	-	-	-	-	-	-	50	-	-	2	02		
6	CET-806	Major Project - II	-	-	-	-	140	55	200	-	-	8	08		
7	BT-807	Professional Ethics and Proficiency	-	-	-	-	35	10	50	-	-	2	02		
Total			280	80	20	20	245	85	70	800	12	4	16	32	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial P: Practical

Table II: Elective-I

Subject Code	CET-8101	CET-8102	CET-8103
Name of Subject	Pavement Design	Structural Dynamic & Earthquake Engineering	Construction Planning and Management

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PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

PROGRAMME: B. Tech.
BRANCH : Mechanical Engineering (ME)

SEMESTER: VII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted						Credits Allotted Subject Wise			Total Credits	Remark		
			Theory Slot			Practical Slot			L	T	P				
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work						Assignment /Quiz/Attendance	Total Marks
1	MET-701	Robotics and Industrial Automation	70	20	05	05	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP
2	Refer to table-I	Elective - I	70	20	05	05	-	-	-	100	3	1	-	04	
3	MET-703	Industrial Engineering and Operation Research	70	20	05	05	35	10	05	150	3	1	2	06	
4	MET-704	Control Systems and Electrical Machines	70	20	05	05	35	10	05	150	3	1	2	06	
5	MET-705	Mechanical Engineering Software lab - III	-	-	-	-	-	-	50	50	-	-	2	02	
6	MET-706	Major Project-I	-	-	-	-	105	40	05	150	-	-	6	06	
7	MET-707	Industrial Training-II	-	-	-	-	70	25	05	100	-	-	4	04	
Total			280	80	20	20	245	85	70	800	12	4	16	32	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial P: Practical

Table I: Elective-I

Subject Code	Name of Subject	Value Engineering	Computer Aided Engineering	Automobile Engineering
MET-7101	Value Engineering			
MET-7102	Computer Aided Engineering			
MET-7103	Automobile Engineering			

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PEOPLES UNIVERSITY, BHOPAL
Scheme of Examination

PROGRAMME: B. Tech.
BRANCH : Mechanical Engineering (ME)

SEMESTER: VIII

S.No.	Subject Code	Subject Name	Maximum Marks Allotted				Credits Allotted Subject Wise			Total Credits	Remark				
			Theory Slot				Practical Slot		L			T	P		
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work						Assignment /Quiz/Attendance	Total Marks
1	MET-801	Energy Sources and Audit	70	20	05	05	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP
2	Refer to table - II	Elective - 1	70	20	05	05	-	-	-	100	3	1	-	04	
3	MET-803	Quality Control and Reliability	70	20	05	05	35	10	05	150	3	1	2	06	
4	MET-804	Machine Design - II	70	20	05	05	35	10	05	150	3	1	2	06	
5	MET-805	Mechanical Engineering Software lab - IV	-	-	-	-	-	-	50	50	-	-	2	02	
6	MET-806	Major Project-II	-	-	-	-	140	55	05	200	-	-	8	08	
7	BT-807	Professional Ethics and Proficiency	-	-	-	-	35	10	05	50	-	-	2	02	
Total			280	80	20	20	245	85	70	800	12	4	16	32	800

MST: Mid Semester Test (at least twice per Semester)

Table II: Elective-1

Subject Code	MET- 8101	MET- 8102	MET- 8103
Name of Subject	Work-study and Ergonomics	Fracture Mechanism & Failure Analysis	Mechatronics

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PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

PROGRAMME: B. Tech.
BRANCH : Electronics and Communication Engineering (ECE)

SEMESTER: VII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted				Credits Allotted Subject Wise			Total Credits	Remark				
			Theory Slot			Practical Slot			L			T	P		
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva						Assignment /Quiz/Attendance	Total Marks
1	ECT-701	CMOS VLSI Design	70	20	05	05	-	-	-	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP	
2	Refer to table-I	Elective - I	70	20	05	05	-	-	-	3	1	-	04		
3	ECT-703	Antenna & Wave Propagation	70	20	05	05	35	10	05	3	1	2	06		
4	ECT-704	Optical Communication	70	20	05	05	35	10	05	3	1	2	06		
5	ECT-705	CMOS VLSI Lab	-	-	-	-	-	-	50	-	-	2	02		
6	ECT-706	Major Project - I	-	-	-	-	105	40	05	150	-	6	06		
7	ECT-707	Industrial Training-II	-	-	-	-	70	25	05	100	-	4	04		
Total			280	80	20	20	245	85	70	800	12	4	16	32	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial

P: Practical

Table I: Elective-I

Subject Code	ECT-7101	ECT-7102	ECT-7103
Name of Subject	Satellite Communication	Microwave Circuits	Advanced Data Networks

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PEOPLE'S UNIVERSITY, BHOPAL
Scheme of Examination

PROGRAMME: B. Tech.
BRANCH : Electronics and Communication Engineering (ECE)

SEMESTER: VIII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted				Credits Allotted Subject Wise			Total Credits	Remark				
			Theory Slot			End Sem	Practical Slot		L			T	P		
			End Sem	MST	Quiz, Assignment		Attendance	Term Work						Assignment /Quiz/Attendance	Total Marks
1	ECT- 801	Advance Communication System	70	20	05	05	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP
2	Refer to table-II	Elective-I	70	20	05	05	-	-	-	100	3	1	-	04	
3	ECT- 803	TV & Radar Engineering	70	20	05	05	35	10	05	150	3	1	2	06	
4	ECT- 804	Microcontroller & Embedded System	70	20	05	05	35	10	05	150	3	1	2	06	
5	ECT- 805	Advance Communication Lab	-	-	-	-	-	-	50	50	-	-	2	02	
6	ECT- 806	Major Project-II	-	-	-	-	140	55	05	200	-	-	8	08	
7	BT-807	Professional Ethics and Proficiency	-	-	-	-	35	10	05	50	-	-	2	02	
Total			280	80	20	20	245	85	70	800	12	4	16	32	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial P: Practical
Table III: Elective-I

Subject Code	Name of Subject	ECT-8101	ECT-8102	ECT-8103
ECT-8101	Electronics	Wireless Communication & Networks	Modern Display & Imaging Devices	

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PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

PROGRAMME: B. Tech.
BRANCH : Computer Science & Engineering (CSE)

SEMESTER: VII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted						Credits Allotted Subject Wise			Total Credits	Remark		
			Theory Slot			Practical Slot			L	T	P				
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work						Assignment /Quiz/Attendance	Total Marks
1	CST-701	Network Security	70	20	05	05	05	-	-	-	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP
2	Refer to table-I	Elective - I	70	20	05	05	-	-	-	100	3	1	-	04	
3	CST-703	Compiler Design	70	20	05	05	35	10	05	150	3	1	2	06	
4	BT -714	Artificial Intelligence & Neural Networks	70	20	05	05	35	10	05	150	3	1	2	06	
5	BT-715	Programming Lab -III	-	-	-	-	-	-	50	50	-	-	2	02	
6	CST-706	Major Project-I	-	-	-	-	105	40	05	150	-	-	6	06	
7	CST-707	Industrial Training-II	-	-	-	-	70	25	05	100	-	-	4	04	
Total			280	80	20	20	245	85	70	800	12	4	16	32	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

Table I: Elective-I

Subject Code	CST-7101	CST-7102	CST-7103
Name of Subject	Information Storage & Management	Distributed Systems	Wireless Network

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Scheme of Examination

PROGRAMME: B. Tech.
BRANCH : Computer Science & Engineering (CSE)

SEMESTER: VIII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted										Credits Allotted Subject Wise			Total Credits	Remark
			Theory Slot				Practical Slot			Total Marks			L	T	P		
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance								
1	CST-801	Cloud Computing	70	20	05	05	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP		
2	Refer to table-II	Elective -I	70	20	05	05	-	-	100	3	1	-	04				
3	BT-813	Data Mining	70	20	05	05	35	10	05	150	3	1	2	06			
4	BT-814	Web Engineering	70	20	05	05	35	10	05	150	3	1	2	06			
5	BT-815	Programming Lab -IV	-	-	-	-	-	-	50	50	-	-	2	02			
6	CST-806	Major Project-II	-	-	-	-	140	55	05	200	-	-	8	08			
7	BT-807	Professional Ethics and Proficiency	-	-	-	-	35	10	05	50	-	-	2	02			
Total			280	80	20	20	245	85	70	800	12	4	16	32	800		

MST: Mid Semester Test (at least twice per Semester)

Table II: Elective-I

Subject Code	BT-8111	CST-8102	CST-8103
Name of Subject	Human Computer Interaction	Object Oriented Analysis & Design	Digital Image Processing & Multimedia

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PROGRAMME: B. Tech.
BRANCH : Electrical Engineering (EE)

SEMESTER: VII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted				Practical/Slot		Total Marks	Credits Allotted Subject Wise			Total Credits	Remark	
			Theory/Slot	MST	Quiz, Assignment	Attendance	End Sem	Term Work		Assignment /Quiz/Attendance	L	T			P
1	EET-701	Non conventional Energy Source	70	20	05	05	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP	
2	Refer to table-I	Elective - I	70	20	05	05	-	-	100	3	1	-	04		
3	EET-703	Electrical Drives	70	20	05	05	35	10	150	3	1	02	06		
4	EET-704	Protection of Power System	70	20	05	05	35	10	150	3	1	02	06		
5	EET-705	Electrical Machine design CAD Based	-	-	-	-	-	-	50	-	-	02	02		
6	EET-706	Major Project- I	-	-	-	-	105	40	150	-	-	06	06		
7	EET-707	Industrial Training - II	-	-	-	-	70	25	100	-	-	04	04		
			280	80	20	20	245	85	70	800	12	4	16	32	Grand Total 800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial P: Practical

Table I: Elective-I

Subject Code	Name of Subject	Computer application to Power Systems	Generalized theory of Electrical Machines	Process Control
EET-7101				
EET-7102				
EET-7103				

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PEOPLE'S UNIVERSITY, BHOPAL

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PEOPLE'S UNIVERSITY, BHOPAL
Scheme of Examination

PROGRAMME: B. Tech.
BRANCH Electrical Engineering (EE)

SEMESTER: VIII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted				Credits Allotted Subject Wise			Total Credits	Remark				
			Theory Slot		Practical Slot		L	T	P						
			End Sem	MST	Quiz, Assignment	Attendance						End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Total Marks
1	EET- 801	EHV AC/DC Transmission	70	20	05	05	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP
2	Refer to table-II	Elective - I	70	20	05	05	-	-	-	100	3	1	-	04	
3	EET- 803	Computer Aided Design of Electrical Machine	70	20	05	05	35	10	05	150	3	1	2	06	
4	EET-804	Power System Analysis & Control	70	20	05	05	35	10	05	150	3	1	2	06	
5	EET- 805	Electrical Engineering Simulation Lab	-	-	-	-	-	-	50	50	-	-	2	02	
6	EET- 806	Major Project- II	-	-	-	-	140	55	05	200	-	-	8	08	
7	BT-807	Professional Ethics and Proficiency	-	-	-	-	35	10	05	50	-	-	2	02	
Total			280	80	20	20	245	85	70	800	12	4	16	32	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial P: Practical
Table II: Elective-I

Subject Code	EET-8101	EET-8102	EET-8103
Name of Subject	Power Quality	Power Systems Deregulation	Advanced Electrical Drive

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FACULTY OF ENGINEERING

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Civil Engineering

SEMESTER: III

S No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	BT-1301	Engineering Mathematics -II	70	20	05	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit and one hour Practical (P) refer 0.5 credit.
2	CET-1302	Transportation Engineering-I	70	20	05	05	-	-	-	100	3	1	-	04	
3	CET-1303	Strength of Material	70	20	05	05	35	10	05	150	3	1	2	05	
4	CET-1304	Building Design & Drawing	70	20	05	05	35	10	05	150	3	1	2	05	
5	CET-1305	Rock Mechanics & Engineering	70	20	05	05	35	10	05	150	3	1	2	05	
6	BT-1306	C++ Programming	-	-	-	-	35	10	05	50	-	-	2	01	
7	BT-1307	Professional Skills	-	-	-	-	-	-	50	50	-	-	2	01	
8	CET-1308	AutoCAD-I	-	-	-	-	35	10	05	50	-	-	2	01	
Total			350	100	25	25	175	50	75	800	15	05	12	26	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Civil Engineering

SEMESTER: IV

S. No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	BT-1401	Engineering Mathematics -III	70	20	05	05	-	-	-	100	3	1	-	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, one hour Practical (P) refer 0.5 credit.		
2	CET-1402	Concrete Technology	70	20	05	05	-	-	-	100	3	1	-			
3	CET-1403	Construction Material & Techniques	70	20	05	05	35	10	05	150	3	1	2			
4	CET-1404	Surveying -I	70	20	05	05	35	10	05	150	3	1	2			
5	CET-1405	Fluid Mechanics -I	70	20	05	05	35	10	05	150	3	1	2			
6	CET-1406	Material Testing Lab.	-	-	-	-	35	10	05	50	-	-	2			
7	BT-1407	Social Engineering	-	-	-	-	-	-	50	50	-	-	2			
8	CET-1408	AutoCAD-II	-	-	-	-	35	10	05	50	-	-	2			
Total			350	100	25	25	175	50	75	800	15	05	12	26	800	

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME : Bachelor of Technology

BRANCH : Civil Engineering

SEMESTER: V

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	BT-1501	Entrepreneurship & IPR	70	20	05	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, one hour Practical (P) refer 0.5 credit.
2	CET-1502	Transportation Engineering. - II	70	20	05	05	-	-	-	100	3	1	-	04	
3	CET-1503	Design of RCC Structure-I	70	20	05	05	35	10	05	150	3	1	2	05	
4	CET-1504	Surveying-II	70	20	05	05	35	10	05	150	3	1	2	05	
5	CET-1505	Fluid Mechanics-II	70	20	05	05	35	10	05	150	3	1	2	05	
6	CET-1506	Highway Material Testing Lab	-	-	-	-	35	10	05	50	-	-	2	01	
7	CET-1507	Industrial Training-I	-	-	-	-	70	20	10	100	-	-	4	02	
8	BT-1508	#Indian Constitution	35	00	10	05	-	-	-	50	2	-	-	00	
TOTAL			350	100	25	25	210	60	30	800	17	05	12	26	800

Mandatory (Non Credit) subject as per UGC & AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Civil Engineering

SEMESTER: VI

S. No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
						Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance									
1	Refer Table -I	Open Elective	70	20	05	05	-	-	-	100	3	1	-	04 One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, one hour Practical (P) refer 0.5 credit.		
2	CET-1602	Theory of Structure- I	70	20	05	05	-	-	-	100	3	1	-		04	
3	CET-1603	Design of RCC Structure-II	70	20	05	05	35	10	05	150	3	1	2		05	
4	CET-1604	Environmental Engg.-I	70	20	05	05	35	10	05	150	3	1	2		05	
5	CET-1605	Geotechnical Engg.-I	70	20	05	05	35	10	05	150	3	1	2		05	
6	CET-1606	Theory of Structure Lab	-	-	-	-	35	10	05	50	-	-	2		01	
7	BT-1607	Research Methodology	-	-	-	-	-	-	50	50	-	-	2		01	
8	BT-1608	GD/Seminar	-	-	-	-	-	-	50	50	-	-	2		01	
Total			350	100	25	25	140	40	120	800	15	05	12	26	800	

Table I: Open Elective

Subject Code	BT-16101	BT-16102	BT-16103
Name of Open Elective Subject	Ethical Hacking & Cyber Security	Human Health & Nutrition Disorder	Human Resource Management

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Civil Engineering

SEMESTER: VII

S. No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
						Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance									
1	Refer to Table-II	Professional Elective - I	70	20	05	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, one hour Practical (P) refer 0.5 credit.	
2	CET-1702	Design of Steel Structure-I	70	20	05	05	-	-	100	3	1	-	04			
3	CET-1703	Theory of Structure-II	70	20	05	05	35	10	05	150	3	1	2	05		
4	CET-1704	Environmental Engineering-I	70	20	05	05	35	10	05	150	3	1	2	05		
5	CET-1705	Steel Structure Lab-I	-	-	-	-	-	-	50	50	-	-	2	01		
6	CET-1706	Minor Project	-	-	-	-	105	40	05	150	-	-	6	03		
7	CET-1707	Industrial Training-II	-	-	-	-	70	25	05	100	-	-	4	02		
Total			280	80	20	20	245	85	70	800	12	04	16	24		

Table II: Professional Elective-I

Subject Code	CET-17101	CET-17102	CET-17103
Name of Professional Elective-I Subject	Traffic Engineering	Cost Effective and Eco friendly Construction	Design of hydraulic Structure

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Civil Engineering

SEMESTER: VIII

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
					Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance									
1	Refer to Table - III	Professional Elective - II	70	20	05	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, one hour Practical (P) refer 0.5 credit.
2	CET-1802	Design of Steel Structure-II	70	20	05	05	-	-	-	100	3	1	-	04	
3	CET-1803	Geotechnical Engg.-II	70	20	05	05	35	10	05	150	3	1	2	05	
4	CET-1804	Estimation & Costing	70	20	05	05	35	10	05	150	3	1	2	05	
5	CET-1805	Steel Structure Lab-II	-	-	-	-	-	-	50	50	-	-	2	01	
6	CET-1806	Major Project	-	-	-	-	140	55	05	200	-	-	8	04	
7	BT-1807	Professional Ethics and Proficiency	-	-	-	-	35	10	05	50	-	-	2	01	
Total			280	80	20	20	245	85	70	800	12	04	16	24	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

Table III: Professional Elective-II

Subject Code	CET-18101	CET-18102	CET-18103
Name of Professional Elective –II Subject	Pavement Design	Structural Dynamic & Earthquake Engineering	Construction Planning & Management

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

PROGRAMME: B. Tech.

BRANCH : Computer Science & Engineering (CSE)

SEMESTER: III

S No.	Subject Code	Subject Name	Maximum Marks Allotted							Total Marks	Credits Allotted Subject Wise			Total Credits	Remark	
			Theory Slot				Practical Slot				L	T	P			
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	BT - 301	Engineering Mathematics-II	70	20	05	05	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical. 32 hour workload per week corresponding to	
2	BT-312	Data Structure & Algorithms	70	20	05	05	35	10	05	150	3	1	2			06
3	CST-303	Digital Circuit & Systems	70	20	05	05	35	10	05	150	3	1	2			06
4	BT-314	Object Oriented Programming	70	20	05	05	35	10	05	150	3	1	2			06
5	BT- 315	Internet Technology	70	20	05	05	35	10	05	150	3	1	2			06
6	BT- 306	C++ Programming	-	-	-	-	35	10	05	50	-	-	2			02
7	BT- 307	Professional Skills - I	-	-	-	-	-	-	50	50	-	-	2			02
Total			350	100	25	25	175	50	75	800	15	5	12	32	800	

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

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Scheme of Examination

PROGRAMME: B. Techn.

BRANCH : Computer Science & Engineering (CSE)

SEMESTER: IV

SNo.	Subject Code	Subject Name	Maximum Marks Allotted								Credits Allotted Subject Wise			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
						Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance									
1	BT-401	Engineering Mathematics-III	70	20	5	5	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP	
2	BT-412	Computer System organization	70	20	5	5	-	-	-	100	3	1	-	04		
3	CST-403	Analysis Design and Algorithms	70	20	5	5	35	10	05	150	3	1	2	06		
4	CST-404	Data Communication	70	20	5	5	35	10	05	150	3	1	2	06		
5	CST-405	Computer Graphics and Multimedia	70	20	5	5	35	10	05	150	3	1	2	06		
6	BT-406	Professional Skills- II	-	-	-	-	-	-	50	50	-	-	2	02		
7	BT-407	Java Programming	-	-	-	-	35	10	05	50	-	-	2	02		
8	BT-418	DOT NET Technologies	-	-	-	-	35	10	05	50	-	-	2	02		
Total			350	100	25	25	175	50	75	800	15	5	12	32	800	

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

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PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

PROGRAMME: B. Tech.

BRANCH : Computer Science & Engineering (CSE)

SEMESTER: V

SNo.	Subject Code	Subject Name	Maximum Marks Allotted							Total Marks	Credits Allotted Subject Wise			Total Credits	Remark
			Theory Slot				Practical Slot				L	T	P		
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	BT- 501	Entrepreneurship & IPR	70	20	05	05	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per credit.
2	BT-512	Discrete Mathematics	70	20	05	05	-	-	-	100	3	1	-	04	
3	CST-503	Data Modeling With UML	70	20	05	05	35	10	05	150	3	1	2	06	
4	BT-514	Data Base Management System	70	20	05	05	35	10	05	150	3	1	2	06	
5	CST-505	System Programming and Operating System	70	20	05	05	35	10	05	150	3	1	2	06	
6	CST-506	Hardware & Linux Lab	-	-	-	-	35	10	05	50	-	-	2	02	
7	BT-517	Programming Lab -I	-	-	-	-	-	-	50	50	-	-	2	02	
8	CST-508	Industrial Training-I	-	-	-	-	-	-	50	50	-	-	2	02	
Total			350	100	25	25	140	40	120	800	15	5	12	32	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial P: Practical

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Scheme of Examination

PROGRAMME: B. Tech.

BRANCH : Computer Science & Engineering (CSE)

SEMESTER: VI

SNo.	Subject Code	Subject Name	Maximum Marks Allotted							Total Marks	Credits Allotted Subject Wise			Total Credits	Remark
			Theory Slot				Practical Slot				L	T	P		
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	CST-601	Principle of Programming Language	70	20	05	05	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP
2	CST-602	Automata Theory	70	20	05	05	-	-	-	100	3	1	-	04	
3	CST-603	Parallel Algorithms	70	20	05	05	35	10	05	150	3	1	2	06	
4	BT-614	Computer Network	70	20	05	05	35	10	05	150	3	1	2	06	
5	CST-605	Software Engineering	70	20	05	05	35	10	05	150	3	1	2	06	
6	BT-606	Professional Skills-III	-	-	-	-	-	-	50	50	-	-	2	02	
7	BT-607	Research Methodology	-	-	-	-	-	-	50	50	-	-	2	02	
8	BT-618	Programming Lab -II	-	-	-	-	35	10	05	50	-	-	2	02	
Total			350	100	25	25	140	40	120	800	15	5	12	32	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

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PEOPLE'S UNIVERSITY, BHOPAL
Scheme of Examination

PROGRAMME: B. Tech.

BRANCH : Computer Science & Engineering (CSE)

SEMESTER: VII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted								Credits Allotted Subject Wise			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	CST-701	Network Security	70	20	05	05	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP	
2	Refer to table-I	Elective - I	70	20	05	05	-	-	-	100	3	1	-			04
3	CST-703	Compiler Design	70	20	05	05	35	10	05	150	3	1	2			06
4	BT -714	Artificial Intelligence & Neural Networks	70	20	05	05	35	10	05	150	3	1	2			06
5	BT-715	Programming Lab -III	-	-	-	-	-	-	50	50	-	-	2			02
6	CST-706	Major Project -I	-	-	-	-	105	40	05	150	-	-	6			06
7	CST-707	Industrial Training-II	-	-	-	-	70	25	05	100	-	-	4			04
Total			280	80	20	20	245	85	70	800	12	4	16	32	800	

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

Table I: Elective-I

Subject Code	CST-7101	CST-7102	CST-7103
Name of Subject	Information Storage & Management	Distributed Systems	Wireless Network

None
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Scheme of Examination

PROGRAMME: B. Tech.

BRANCH : Computer Science & Engineering (CSE)

SEMESTER: VIII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted								Credits Allotted Subject Wise			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment / Quiz/Attendance							
1	CST-801	Cloud Computing	70	20	05	05	-	-	-	100	3	1	-	04	One credit refers to one hour teaching in theory, tutorial and practical: 32 hour workload per week corresponding to LTP	
2	Refer to table -II	Elective -I	70	20	05	05	-	-	-	100	3	1	-	04		
3	BT-813	Data Mining	70	20	05	05	35	10	05	150	3	1	2	06		
4	BT-814	Web Engineering	70	20	05	05	35	10	05	150	3	1	2	06		
5	BT-815	Programming Lab -IV	-	-	-	-	-	-	50	50	-	-	2	02		
6	CST-806	Major Project-II	-	-	-	-	140	55	05	200	-	-	8	08		
7	BT-807	Professional Ethics and Proficiency	-	-	-	-	35	10	05	50	-	-	2	02		
Total			280	80	20	20	245	85	70	800	12	4	16	32	800	


MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial

P: Practical

Table II: Elective-I

Subject Code	BT- 8111	CST- 8102	CST- 8103
Name of Subject	Human Computer Interaction	Object Oriented Analysis & Design	Digital Image Processing & Multimedia


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PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: III

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	BT- 1301	Engineering Mathematics -II	70	20	05	05	-	-	-	100	3	1	-	04	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.
2	ECT-1302	Computer System Organization	70	20	05	05	-	-	-	100	3	1	-	04	
3	ECT-1303	Electronic Devices	70	20	05	05	35	10	05	150	3	1	2	05	
4	ECT-1304	Electronic Instrumentation	70	20	05	05	35	10	05	150	3	1	2	05	
5	ECT-1305	Network Analysis	70	20	05	05	35	10	05	150	3	1	2	05	
6	BT-1306	C++ Programming	-	-	-	-	35	10	05	50	-	-	2	01	
7	BT-1307	Professional Skills - I	-	-	-	-	-	-	50	50	-	-	2	01	
8	ECT-1308	Software Lab – I	-	-	-	-	35	10	05	50	-	-	2	01	
Total			350	100	25	25	175	50	75	800	15	05	12	26	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME : Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: IV

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	BT-1401	Engineering Mathematics -III	70	20	05	05	-	-	-	100	3	1	-	04	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.	
2	ECT-1402	Control System	70	20	05	05	-	-	-	100	3	1	-	04		
3	ECT-1403	Electronic Circuits	70	20	05	05	35	10	05	150	3	1	2	05		
4	ECT-1404	Digital Logic Design	70	20	05	05	35	10	05	150	3	1	2	05		
5	ECT-1405	Analog Communication	70	20	05	05	35	10	05	150	3	1	2	05		
6	ECT-1406	Electronics Workshop-I	-	-	-	-	35	10	05	50	-	-	2	01		
7	BT-1407	Social Engineering	-	-	-	-	-	-	50	50	-	-	2	01		
8	ECT-1408	Software Lab -II	-	-	-	-	35	10	05	50	-	-	2	01		
Total			350	100	25	25	175	50	75	800	15	05	12	26	800	

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: V

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	BT-1501	Entrepreneurship & IPR	70	20	05	05	-	-	-	100	3	1	-	04	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.
2	BT-1522	Electromagnetic Theory	70	20	05	05	-	-	100	3	1	-	04		
3	ECT-1503	Digital Communication	70	20	05	05	35	10	05	150	3	1	2	05	
4	ECT-1504	Microprocessor	70	20	05	05	35	10	05	150	3	1	2	05	
5	ECT-1505	Communication Network & Transmission Line	70	20	05	05	35	10	05	150	3	1	2	05	
6	ECT-1506	Electronics Workshop-II	-	-	-	-	35	10	05	50	-	-	2	01	
7	ECT-1507	Industrial Training-I	-	-	-	-	70	20	10	100	-	-	4	02	
8	BT-1508	#Indian Constitution	35	00	10	05	-	-	-	50	2	-	-	00	Grand Total
TOTAL			350	100	25	25	210	60	30	800	17	05	12	26	800

Mandatory (Non Credit) subject as per UGC & AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: VI

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week	Total Credits	Remark			
			Theory Slot				Practical Slot								
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
					Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Total Marks	L	T	P					
1	Refer Table -I	Open Elective	70	20	05	05	-	-	-	100	3	1	-	04	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.
2	ECT-1602	Industrial Electronics	70	20	05	05	-	-	-	100	3	1	-	04	
3	ECT-1603	Digital Signal Processing	70	20	05	05	35	10	05	150	3	1	2	05	
4	ECT-1604	Microwave Engineering	70	20	05	05	35	10	05	150	3	1	2	05	
5	ECT-1605	Data Communication & Networks	70	20	05	05	35	10	05	150	3	1	2	05	
6	ECT-1606	IC Application Lab	-	-	-	-	35	10	05	50	-	-	2	01	
7	BT-1607	Research Methodology	-	-	-	-	-	-	50	50	-	-	2	01	
8	BT-1608	GD/Seminar	-	-	-	-	-	-	50	50	-	-	2	01	
Total			350	100	25	25	140	40	120	800	15	05	12	26	800

Table I: Open Elective

Subject Code	BT-16101	BT-16102	BT-16103
Name of Open Elective Subject	Ethical Hacking & Cyber Security	Human Health & Nutrition Disorder	Human Resource Management

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: VII

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table-II	Professional Elective-I	70	20	05	05	-	-	-	100	3	1	-	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.		
2	ECT-1702	CMOS VLSI Design	70	20	05	05	-	-	-	100	3	1	-			
3	ECT-1703	Antenna & Wave Propagation	70	20	05	05	35	10	05	150	3	1	2			
4	ECT-1704	Optical Communication	70	20	05	05	35	10	05	150	3	1	2			
5	ECT-1705	CMOS VLSI Lab	-	-	-	-	-	-	50	50	-	-	2			
6	ECT-1706	Minor Project	-	-	-	-	105	40	05	150	-	-	6			
7	ECT-1707	Industrial Training-II	-	-	-	-	70	25	05	100	-	-	4			
Total			280	80	20	20	245	85	70	800	12	04	16	24		

Table II: Professional Elective-I

Subject Code	ECT-17101	ECT-17102	ECT-17103
Name of Professional Elective-I Subject	Satellite Communication	Cellular & Mobile Communication	Advanced Data Networks

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: VIII

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table - III	Professional Elective-II	70	20	05	05	-	-	-	100	3	1	-	04	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.	
2	ECT-1802	Advance Communication System	70	20	05	05	-	-	-	100	3	1	-	04		
3	ECT-1803	TV & Radar Engineering	70	20	05	05	35	10	05	150	3	1	2	05		
4	ECT-1804	Microcontroller & Embedded System	70	20	05	05	35	10	05	150	3	1	2	05		
5	ECT-1805	Advance Communication System Lab	-	-	-	-	-	-	50	50	-	-	2	01		
6	ECT-1806	Major Project	-	-	-	-	140	55	05	200	-	-	8	04		
7	BT-1807	Professional Ethics and Proficiency	-	-	-	-	35	10	05	50	-	-	2	01		
Total			280	80	20	20	245	85	70	800	12	04	16	24	800	

Table III: Professional Elective-II

Subject Code	ECT-18101	ECT-18102	ECT-18103
Name of Professional Elective –II Subject	Nanoelectronics	Wireless Communication & Networks	Modern Display & Imaging Devices

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electrical Engineering

SEMESTER: III

S No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	BT-1301	Engineering Mathematics -II	70	20	5	5	-	-	-	100	3	1	-	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	EET-1302	Electrical Engineering Material	70	20	5	5	-	-	-	100	3	1	-		
3	EET-1303	Electrical Machine - I	70	20	5	5	35	10	5	150	3	1	2		
4	EET-1304	Electrical Measurement & Instrumentation	70	20	5	5	35	10	5	150	3	1	2		
5	EET-1305	Circuit Theory	70	20	5	5	35	10	5	150	3	1	2		
6	BT-1306	C++ Programming	-	-	-	-	35	10	5	50	-	-	2		
7	BT-1307	Professional Skills	-	-	-	-	-	-	50	50	-	-	2		
8	EET-1308	Electrical Workshop	-	-	-	-	35	10	5	50	-	-	2		
Total			350	100	25	25	175	50	75	800	15	5	12	26	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology
BRANCH : Electrical Engineering

SEMESTER: IV

S.No	Subject Code	Subject Name	Maximum Marks Allotted							Teaching hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	BT-1401	Engineering Mathematics -III	70	20	5	5	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
2	EET-1402	Electrical Power Generation	70	20	5	5	-	-	-	100	3	1	-	04	
3	EET-1403	Electronic Device & Circuits	70	20	5	5	35	10	5	150	3	1	2	05	
4	EET-1404	Electrical Machine - II	70	20	5	5	35	10	5	150	3	1	2	05	
5	EET-1405	Analog & Digital Communication	70	20	5	5	35	10	5	150	3	1	2	05	
6	EET-1406	PCB Lab	-	-	-	-	35	10	5	50	-	-	2	01	
7	BT-1407	Social Engineering	-	-	-	-	-	-	50	50	-	-	2	01	
8	EET-1408	Electrical Software Lab- I	-	-	-	-	35	10	5	50	-	-	2	01	
Total			350	100	25	25	175	50	75	800	15	5	12	26	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology
BRANCH : Electrical Engineering

SEMESTER: V

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	BT-1501	Entrepreneurship & IPR	70	20	5	5	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
2	BT-1522	Electromagnetic Theory	70	20	5	5	-	-	100	3	1	-	04		
3	EET-1503	Transmission & Distribution of Electrical Power	70	20	5	5	35	10	5	150	3	1	2	05	
4	EET-1504	Digital Electronics	70	20	5	5	35	10	5	150	3	1	2	05	
5	EET-1505	Control Systems	70	20	5	5	35	10	5	150	3	1	2	05	
6	EET-1506	Electrical Software Lab -II	-	-	-	-	35	10	5	50	-	-	2	01	
7	EET-1507	Industrial Training-I	-	-	-	-	70	20	10	100	-	-	4	02	
8	BT-1508	#Indian Constitution	35	00	10	5	-	-	-	50	2	-	-	00	
TOTAL			350	100	25	25	210	60	30	800	17	5	12	26	800

#Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME : Bachelor of Technology

BRANCH : Electrical Engineering

SEMESTER: VI

S No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table -I	Open Elective	70	20	5	5	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	EET-1602	Utilization of Electrical Power	70	20	5	5	-	-	-	100	3	1	-	04		
3	EET-1603	Switchgear & Protection	70	20	5	5	35	10	5	150	3	1	2	05		
4	EET-1604	Power Electronics	70	20	5	5	35	10	5	150	3	1	2	05		
5	EET-1605	Electronics Instrumentation & Measurement	70	20	5	5	35	10	5	150	3	1	2	05		
6	EET-1606	Electrical Engineering Simulation Lab	-	-	-	-	35	10	5	50	-	-	2	01		
7	BT-1607	Research Methodology	-	-	-	-	-	-	50	50	-	-	2	01		
8	EET-1608	GD/Seminar	-	-	-	-	-	-	50	50	-	-	2	01	Grand Total	
Total			350	100	25	25	140	40	120	800	15	5	12	26	800	

Table I: Open Elective

Subject Code	BT-16101	BT-16102	BT-16103
Name of Open Elective Subject	Ethical Hacking & Cyber Security	Human Health & Nutrition Disorder	Human Resource Management

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electrical Engineering

SEMESTER: VII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
					Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance										
1	Refer to Table-II	Professional Elective - I	70	20	5	5	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	EET-1702	Non Conventional Energy Source	70	20	5	5	-	-	-	100	3	1	-	04		
3	EET-1703	Electrical Drives	70	20	5	5	35	10	5	150	3	1	2	05		
4	EET-1704	Protection of Power Systems	70	20	5	5	35	10	5	150	3	1	2	05		
5	EET-1705	Electrical Machine Design CAD Based	-	-	-	-	-	-	50	50	-	-	2	01		
6	EET-1706	Minor Project	-	-	-	-	105	40	5	150	-	-	6	03		
7	EET-1707	Industrial Training-II	-	-	-	-	70	25	5	100	-	-	4	02		
Total			280	80	20	20	245	85	70	800	12	04	16	24	800	

Table II: Professional Elective-I

Subject Code	EET-17101	EET-17102	EET-17103
Name of Professional Elective-I Subject	Computer Application to Power Systems	Generalized theory of Electrical Machine	Electrical Safety & Protection

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electrical Engineering

SEMESTER: VIII

SNo.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
					Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance									
1	Refer to Table - III	Professional Elective - II	70	20	5	5	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour-Practical (P) refers to 0.5 credit.
2	EET-1802	EHV AC / DC Transmission Systems	70	20	5	5	-	-	-	100	3	1	-	04	
3	EET-1803	Computer Aided Design of Electrical Machine	70	20	5	5	35	10	5	150	3	1	2	05	
4	EET-1804	Power System Operation & Control	70	20	5	5	35	10	5	150	3	1	2	05	
5	EET-1805	MATLAB	-	-	-	-	-	-	50	50	-	-	2	01	
6	EET-1806	Major Project	-	-	-	-	140	55	5	200	-	-	8	04	
7	BT-1807	Professional Ethics and Proficiency	-	-	-	-	35	10	5	50	-	-	2	01	
Total			280	80	20	20	245	85	70	800	12	04	16	24	800

Table III: Professional Elective-II

Subject Code	EET-18101	EET-18102	EET-18103
Name of Professional Elective-II Subject	Power Quality	Power Systems Deregulation	Advanced Electrical Drive

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Faculty of Engineering (Choice Based Credit System)

Course Details and Scheme of Examination

(w.e.f. from Academic Session 2021-22 onwards)



Programme: Bachelor of Technology Set -A **Branch: Mechanical Engineering**
Electrical Engineering
Electronics and Communication Engineering


FIRST YEAR (I SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
CBTE-101	Engineering Mathematics - I	B	70	30	-	-	-	-	100	3	1	0	04	F
CBTE-102	Engineering Physics	B	70	30	-	35	15	-	150	3	1	2	05	F
CBTE-103	Basic Electrical and Electronics Engineering	C	70	30	-	35	15	-	150	3	1	2	05	F
CBTE-104	Engineering Graphics & Design	C	70	30	-	35	15	-	150	3	1	2	05	F
CBTE-105	Programming for Problem Solving	E	35	15	-	35	15	-	100	1	0	2	02	V
CBTE-106	Sanskrit / French / German	E	35	15	-	-	-	-	50	2	0	0	02	V
CBTE-107	NCC-I	E	35	15	-	35	15	-	100	1	0	2	02	V
CBTE-108	Soft Skills	B	-	-	-	-	-	50	50	0	0	2	01	F
CBTE-109	Workshop Practice	C	-	-	-	70	30	-	100	0	0	2	01	F
CBTE-110	Physical Education & Yoga	B	-	-	-	-	-	50	50	0	0	2	00	F
CBTE-111	NSS-I/NSO-I	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-112	Music Vocal- I / Music Instruments-I	E	-	-	-	-	-	50	50	0	0	2	01	V
Total			385	165	-	245	105	200	1100	16	04	20	29	

Note: Students must earn 24 credits to complete this semester.


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PEOPLE'S UNIVERSITY, BHOPAL


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PEOPLE'S UNIVERSITY, BHOPAL

(One hour Lecture (L) refers 1 credit, One-hour Tutorial (T) refer 1 credit, One-hour Practical (P) refers 0.5 credits.) B- Basic Course, C- Core Course, E, Elective Course, F- Fixed, V-Variable, L-Lecture, P- Practical, T- Tutorials, MST: Mid Semester Test (at least twice per Semester). For examination and promotion criteria existing B. Tech. ordinance is applicable.

PEOPLE'S UNIVERSITY, BHOPAL

Faculty of Engineering (Choice Based Credit System)

Course Details and Scheme of Examination

(w.e.f. from Academic Session 2021-22 onwards)



Programme: Bachelor of Technology Set -A

Branch: Mechanical Engineering
Electrical Engineering
Electronics and Communication Engineering

FIRST YEAR (II SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
CBTE-201	Engineering Mathematics - II	B	70	30	-	-	-	-	100	3	1	0	04	F
CBTE-202	Engineering Chemistry	B	70	30	-	35	15	-	150	3	0	2	04	F
CBTE-203	Communication Skills	B	70	30	-	35	15	-	150	3	1	2	05	F
CBTE-204	Engineering Mechanics	C	70	30	-	-	-	-	100	3	1	0	04	F
CBTE-205	Computer Fundamentals	C	70	30	-	35	15	-	150	3	0	2	04	F
CBTE-206	Basic Civil and Mechanical Engineering	E	70	30	-	35	15	-	150	3	0	2	04	V
CBTE-207	NCC-II	E	35	15	-	35	15	-	100	1	0	2	02	V
CBTE-208	Introduction to Artificial Intelligence	E	35	15	-	-	-	-	50	2	0	0	02	V
CBTE-209	Biology for Engineers	E	35	15	-	-	-	-	50	2	0	0	02	V
CBTE-210	Disaster Management and Safety	B	-	-	25	-	-	-	25	2	0	0	00	F
CBTE-211	Life Skills	B	-	-	25	-	-	-	25	0	0	2	00	F
CBTE-212	Fine Arts-I	E						50	50	0	0	2	01	V
Total			525	225	50	175	75	50	1100	25	03	14	32	
NCC-III camp		E	To be completed after the second semester. Its evaluation/credit to be added in the THIRD SEMESTER											

Note: Students must earn 24 credits to complete this semester.

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(One hour Lecture (L) refers 1 credit, One-hour Tutorial (T) refers 0.5 credit, One-hour Practical (P) refers 0.5 credit. Basic Courses: B, E, Elective Course, F- Fixed, V-Variable, L-Lecture, P- Practical, T- Tutorials, MST: Mid Semester Test (at least twice per Semester). For examination and promotion of students, the Tech. ordinance is applicable.

PEOPLE'S UNIVERSITY, BHOPAL

School of Research and Technology

PEOPLE'S UNIVERSITY, BHOPAL

Faculty of Engineering (Choice Based Credit System)

Course Details and Scheme of Examination

(w.e.f. from Academic Session 2021-22 onwards)



Programme: Bachelor of Technology Set -B Branch: Computer Science and Engineering,
Civil Engineering
Information Technology

FIRST YEAR (I SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
CBTE-101	Engineering Mathematics - I	B	70	30	-	-	-	-	100	3	1	0	04	F
CBTE-202	Engineering Chemistry	B	70	30	-	35	15	-	150	3	0	2	04	F
CBTE-203	Communication Skills	B	70	30	-	35	15	-	150	3	1	2	05	F
CBTE-204	Engineering Mechanics	C	70	30	-	-	-	-	100	3	1	0	04	F
CBTE-205	Computer Fundamentals	C	70	30	-	35	15	-	150	3	0	2	04	F
CBTE-206	Basic Civil and Mechanical Engineering	E	70	30	-	35	15	-	100	3	0	2	04	V
CBTE-107	NCC-I	E	35	15	-	35	15	-	100	1	0	2	02	V
CBTE-208	Introduction to Artificial Intelligence	E	35	15	-	-	-	-	50	2	0	0	02	V
CBTE-209	Biology for Engineers	E	35	15	-	-	-	-	50	2	0	0	02	V
CBTE-210	Disaster Management and Safety	B	-	-	25	-	-	-	25	2	0	0	00	F
CBTE-211	Life Skills	B	-	-	25	-	-	-	25	0	0	2	00	F
CBTE-212	Fine Arts-I	E	-	-	-	-	-	50	50	0	0	2	01	V
Total			525	225	50	175	75	50	1100	25	03	14	32	


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(One hour Lecture (L) refers 1 credit, One-hour Tutorial (T) refers 0.5 credit, One-hour Practical (P) refers 0.5 credits.) B- Basic Course, C- Core Course, E- Elective Course, F- Foundation Course, L- Lecture, P- Practical, T- Tutorials, MST: Mid Semester Examination. For examination and promotion criteria existing B. Tech. ordinance is applicable.

PEOPLE'S UNIVERSITY, BHOPAL

Faculty of Engineering (Choice Based Credit System)

Course Details and Scheme of Examination

(w.e.f. from Academic Session 2021-22 onwards)



Programme: Bachelor of Technology Set -B Branch: Computer Science and Engineering
 Civil Engineering
 Information Technology

FIRST YEAR (II SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
CBTE-201	Engineering Mathematics - II	B	70	30	-	-	-	-	100	3	1	0	04	F
CBTE-102	Engineering Physics	B	70	30	-	35	15	-	150	3	1	2	05	F
CBTE-103	Basic Electrical and Electronics Engineering	C	70	30	-	35	15	-	150	3	1	2	05	F
CETE-104	Engineering Graphics & Design	C	70	30	-	35	15	-	150	3	1	2	05	F
CBTE-105	Programming for Problem Solving	E	35	15	-	35	15	-	100	1	0	2	02	V
CBTE-106	Sanskrit / French / German	E	35	15	-	-	-	-	50	2	0	0	02	V
CBTE-207	NCC-II	E	35	15	-	35	15	-	100	1	0	2	02	V
CBTE-108	Soft Skills	B	-	-	-	-	-	50	50	0	0	2	01	F
CBTE-109	Workshop Practice	C	-	-	-	70	30	-	100	0	0	2	01	F
CBTE-110	Physical Education & Yoga	B	-	-	-	-	-	50	50	0	0	2	00	F
CBTE-111	NSS-I/NSO-I	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-112	Music Vocal- I / Music Instruments-I	E	-	-	-	-	-	50	50	0	0	2	01	V
Total			385	165	-	245	105	200	1100	16	04	20	29	
NCC-III camp		E	To be completed after the second semester. Its evaluation/credit to be added in the THIRD SEMESTER											

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(One-hour Lecture (L) refers 1 credit, One-hour Tutorial (T) refers 1 credit, One-hour Practical (P) refers 0.5 credits.) B- Basic Course, C- Core Course, E, Elective Course, F- Fixed, V-Variable, L-Lecture, P- Practical, T- Tutorials, MST: Mid Semester Test (at least twice per Semester). For examination and promotion criteria existing B. Tech. ordinance is applicable.

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Mechanical Engineering

SEMESTER: III

S No.	Subject Code	Subject Name	Maximum Marks Allotted							Total Marks	Teaching Hour Per Week			Total Credits	Remark
			Theory Slot				Practical Slot				L	T	P		
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	BT- 1301	Engineering Mathematics -II	70	20	05	05	-	-	-	100	3	1	-	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	MET-1302	Applied Thermodynamics	70	20	05	05	-	-	-	100	3	1	-		
3	MET-1303	Mechanics of Materials	70	20	05	05	35	10	05	150	3	1	2		
4	MET-1304	Material Science	70	20	05	05	35	10	05	150	3	1	2		
5	MET-1305	Machine Drawing	70	20	05	05	35	10	05	150	3	1	2		
6	BT-1306	C++ Programming	-	-	-	-	35	10	05	50	-	-	2		
7	BT-1307	Professional Skills	-	-	-	-	-	-	50	50	-	-	2		
8	MET-1308	Mechanical Engineering Software Lab - I	-	-	-	-	35	10	05	50	-	-	2		
Total			350	100	25	25	175	50	175	800	15	05	12	26	800

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Mechanical Engineering

SEMESTER: IV

S No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	BT-1401	Engineering Mathematics -III	70	20	05	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	MET-1402	Production Process	70	20	05	05	-	-	-	100	3	1	-	04		
3	MET-1403	Theory of Machines – I (Kinematics)	70	20	05	05	35	10	05	150	3	1	2	05		
4	MET-1404	Thermal Engineering.	70	20	05	05	35	10	05	150	3	1	2	05		
5	MET -1405	Fluid Mechanics	70	20	05	05	35	10	05	150	3	1	2	05		
6	MET-1406	Manufacturing Process Lab	-	-	-	-	35	10	05	50	-	-	2	01		
7	BT-1407	Social Engineering.	-	-	-	-	-	-	50	50	-	-	2	01		
8	MET-1408	Electrical Workshop	-	-	-	-	35	10	05	50	-	-	2	01		
Total			350	100	25	25	175	50	75	800	15	05	12	26	800	

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology
BRANCH : Mechanical Engineering

SEMESTER: V

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	BT-1501	Entrepreneurship & IPR	70	20	05	05	-	-	-	100	3	1	-	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	MET-1502	Power Plant Engineering.	70	20	05	05	-	-	100	3	1	-			
3	MET-1503	Theory of Machines – II (Dynamics)	70	20	05	05	35	10	05	150	3	1	2		
4	MET-1504	Heat and Mass Transfer	70	20	05	05	35	10	05	150	3	1	2		
5	MET-1505	Turbo Machinery	70	20	05	05	35	10	05	150	3	1	2		
6	MET-1506	Mechanical Engineering Software Lab – II	-	-	-	-	35	10	05	50	-	-	2		
7	MET-1507	Industrial Training-I	-	-	-	-	70	20	10	100	-	-	4		
8	BT-1508	# Indian Constitution	35	00	10	05	-	-	-	50	2	-	-		
TOTAL			350	100	25	25	210	60	30	800	17	05	12	26	800

Mandatory (Non Credit) subject as per UGC & AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Mechanical Engineering

SEMESTER: VI

S No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment / Quiz/Attendance						
1	Refer Table -I	Open Elective	70	20	05	05	-	-	-	100	3	1	-	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	MET-1602	Production Planning & Control	70	20	05	05	-	-	-	100	3	1	-		
3	MET-1603	Machine Design - I	70	20	05	05	35	10	05	150	3	1	2		
4	MET-1604	Refrigeration & Air Conditioning	70	20	05	05	35	10	05	150	3	1	2		
5	MET-1605	Machine Tools and Operations.	70	20	05	05	35	10	05	150	3	1	2		
6	MET-1606	CNC & Metal Cutting Lab	-	-	-	-	35	10	05	50	-	-	2		
7	BT-1607	Research Methodology	-	-	-	-	-	-	50	50	-	-	2		
8	BT-1608	GD/Seminar.	-	-	-	-	-	-	50	50	-	-	2		
Total			350	100	25	25	140	40	120	800	15	05	12	26	800

Table I: Open Elective

Subject Code	BT-16101	BT-16102	BT-16103
Name of Open Elective Subject	Ethical Hacking & Cyber Security	Human Health & Nutrition Disorder	Human Resource Management

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Mechanical Engineering

SEMESTER: VII

S No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work		Assignment /Quiz/Attendance						
					Lab Performance, Lab Record & Viva											
1	Refer to Table-II	Professional Elective - I	70	20	05	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	MET-1702	Robotics and Industrial Automation	70	20	05	05	-	-	-	100	3	1	-	04		
3	MET-1703	Industrial Engineering and Operations Research	70	20	05	05	35	10	05	150	3	1	2	05		
4	MET-1704	Control Systems and Electrical Machines	70	20	05	05	35	10	05	150	3	1	2	05		
5	MET-1705	Mechanical Measurements and Metrology Lab	-	-	-	-	-	-	50	50	-	-	2	01		
6	MET-1706	Minor Project	-	-	-	-	105	40	05	150	-	-	6	03		
7	MET-1707	Industrial Training-II	-	-	-	-	70	25	05	100	-	-	4	02		
Total			280	80	20	20	245	85	70	800	12	04	16	24	800	

Table II: Professional Elective-I

Professional Elective Subject Code	MET-17101	MET-17102	MET-17103
Name of Professional Elective-I Subject	Value Engineering	Computer Aided Engineering	Automobile Engineering

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology
BRANCH : Mechanical Engineering

SEMESTER: VIII

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment / Quiz/Attendance							
1	Refer to Table - III	Professional Elective - II	70	20	05	05	-	-	-	100	3	1	-	04 One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.		
2	MET-1802	Machine Design - II	70	20	05	05	-	-	-	100	3	1	-		04	
3	MET-1803	Energy Sources and Audit	70	20	05	05	35	10	05	150	3	1	2		05	
4	MET-1804	Quality Control and Reliability	70	20	05	05	35	10	05	150	3	1	2		05	
5	MET-1805	Engineering Software lab – III	-	-	-	-	-	-	50	50	-	-	2		01	
6	MET-1806	Major Project	-	-	-	-	140	55	05	200	-	-	8		04	
7	BT-1807	Professional Ethics and Proficiency	-	-	-	-	35	10	05	50	-	-	2		01	
Total			280	80	20	20	245	85	70	800	12	04	16	24	800	

Table III: Professional Elective-II

Professional Elective Subject Code	MET-18101	MET-18102	MET-18103
Name of Professional Elective –II Subject	Work-study and Ergonomics	Fracture Mechanism & Failure Analysis	Mechatronics

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2020-21 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

SPECIALIZATION: Structural Engineering

SEMESTER: I

S. No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment	Quiz/Attendance						
1	MTSE101	Research Methodology & IPR	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit.	
2	MTSE102	Strength and Elasticity of Material	70	15	10	05	-	-	-	100	3	1	-	04		
3	MTSE103	Structural Materials	70	15	10	05	-	-	-	100	3	1	-	04		
4	MTSE104	Design of Concrete Structures	70	15	10	05	-	-	-	100	3	1	-	04		
5	MTSE105	Computer Aided Design	70	15	10	05	-	-	-	100	3	1	-	04		
6	MTSE106	Material Testing Lab	-	-	-	-	70	15	15	100	-	-	4	02		
7	MTSE107	Computer Aided Design Lab	-	-	-	-	70	15	15	100	-	-	4	02		
8	MTSE108	#Audit Course I (Value Education)	35	-	10	05	-	-	-	50	2	-	-	00		
Total			350	75	50	25	140	30	30	700	15	5	8	24	700	

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2020-21 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

Specialization: Structural Engineering

SEMESTER: II

	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment / Quiz/Attendance							
1	Refer Table- I	Professional Elective - I	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit.	
2	MTSE202	Structural Dynamics	70	15	10	05	-	-	-	100	3	1	-	04		
3	MTSE203	FEM in Structural Engineering	70	15	10	05	-	-	-	100	3	1	-	04		
4	MTSE204	Advance Concrete Technology	70	15	10	05	-	-	-	100	3	1	-	04		
5	MTSE205	Theory of Plates and Shells	70	15	10	05	-	-	-	100	3	1	-	04		
6	MTSE206	Instrumentation	-	-	-	-	70	15	15	100	-	-	4	02		
7	MTSE207	Structural Engg. Software	-	-	-	-	70	15	15	100	-	-	4	02		
8	MTSE208	# Audit Course II (English for Research Paper Writing)	35	-	10	05	-	-	-	50	2	-	-	00		
Total			350	75	50	25	140	30	30	700	15	05	08	24	700	

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

Table I: Professional Elective-I

Subject Code	MTSE1201	MTSE1202	MTSE1203
Name of Professional Elective Subject	Design of Earth Quake Resistant Structures	Advance Foundation Engineering	Design of Steel Structures

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2020-21 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

Specialization: Structural Engineering

SEMESTER: III

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table-II	Open Elective	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit.	
2	Refer Table-III	Professional Elective II	70	15	10	05	-	-	-	100	3	1	-			04
3	MTSE303	Pre-Dissertation	-	-	-	-	200	50	50	300	-	-	12			06
Total			140	30	20	10	200	50	50	500	6	2	12	14	500	

Table II: Open Elective

Subject Code	MT3101	MT3102	MT3103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Project

Table III: Professional Elective-II

Subject Code	MTSE3201	MTSE3202	MTSE3203
Name of Professional Elective Subject	Design of Tall Structures	Design of Offshore Structures	Stability Theory in Structural Engg.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2020-21 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

Specialization: Structural Engineering

SEMESTER: IV

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	MTSE401	Dissertation	-	-	-	-	300	100	100	500	-	-	32	16	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit.
Total			-	-	-	-	300	100	100	500	-	-	32	16	500

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

Specialization: Urban Planning

SEMESTER: I

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	MT1101	Research Methodology & IPR	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit.	
2	MTUP1102	History and Theory of Urban Planning	70	15	10	05	-	-	-	100	3	1	-			04
3	MTUP1103	Housing & community Planning	70	15	10	05	-	-	-	100	3	1	-			04
4	MTUP1104	Traffic and Transportation Planning	70	15	10	05	-	-	-	100	3	1	-			04
5	MTUP1105	Evolution and Planning Thought	70	15	10	05	-	-	-	100	3	1	-			04
6	MTUP1106	Planning Studio-I	-	-	-	-	70	15	15	100	-	-	4			02
7	MTUP1107	Planning Studio Seminar- I	-	-	-	-	70	15	15	100	-	-	4			02
8	MT1108	# Audit Course I (Value Education)	35	-	10	05	-	-	-	50	2	-	-			00
Total			350	75	50	25	140	30	30	700	17	5	8	24	700	

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

Specialization: Urban Planning

SEMESTER: II

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	Refer Table- I	Professional Elective I	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit.
2	MTUP1202	City and Regional Planning	70	15	10	05	-	-	-	100	3	1	-	04	
3	MTUP1203	Land Economics and Management	70	15	10	05	-	-	-	100	3	1	-	04	
4	MTUP1204	Environmental Planning & Management	70	15	10	05	-	-	-	100	3	1	-	04	
5	MTUP1205	Urban Regeneration & Conservation Techniques	70	15	10	05	-	-	-	100	3	1	-	04	
6	MTUP1206	Planning Studio-II	-	-	-	-	70	15	15	100	-	-	4	02	
7	MTUP1207	Planning Studio Seminar-II	-	-	-	-	70	15	15	100	-	-	4	02	
8	MT1208	# Audit Course II(English for Research paper writing)	35	-	10	05	-	-	-	50	2	-	-	00	
Total			350	75	50	25	140	30	30	700	17	05	08	24	700

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

Table I: Professional Elective-I

Subject Code	MTUP12101	MTUP12102	MTUP12103
Name of Professional Elective Subject	Project Management	Socio- Economic Basis for Planning	City Metropolitan Planning

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

Specialization: Urban Planning

SEMESTER: III

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table-II	Open Elective	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit.	
2	Refer Table-III	Professional Elective-II	70	15	10	05	-	-	-	100	3	1	-			04
5	MTUP1303	Pre-Dissertation	-	-	-	-	200	50	50	300	-	-	12			06
Total			140	30	20	10	200	50	50	500	06	02	12	14	500	

Table II: Open Elective

Subject Code	MT13101	MT13102	MT13103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Project

Table III: Professional Elective-II

Subject Code	MTUP13201	MTUP13202	MTUP13203
Name of Professional Elective Subject	Urban Renewal	Water Resource Management	Technique of Analysis & Population Studies

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

Specialization: Urban Planning

SEMESTER: IV

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	MTUP1401	Dissertation	-	-	-	-	300	100	100	500	-	-	32	16	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit.
Total			-	-	-	-	300	100	100	500	-	-	32	16	500

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

Specialization: Construction Technology & Management

SEMESTER: I

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment / Quiz/Attendance						
1	MT1101	Research Methodology & IPR	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit.
2	MTCM1102	Composite Materials	70	15	10	05	-	-	-	100	3	1	-	04	
3	MTCM1103	Geotechnical Engineering	70	15	10	05	-	-	-	100	3	1	-	04	
4	MTCM1104	Concrete Construction Technology	70	15	10	05	-	-	-	100	3	1	-	04	
5	MTCM1105	Low Cost Housing Materials and Construction Technology	70	15	10	05	-	-	-	100	3	1	-	04	
6	MTCM1106	Material Testing-I	-	-	-	-	70	15	15	100	-	-	4	02	
7	MTCM1107	Software Lab –I	-	-	-	-	70	15	15	100	-	-	4	02	
8	MT1108	# Audit Course I (Value Education)	35	-	10	05	-	-	-	50	2	-	-	00	
Total			350	75	50	25	140	30	30	700	17	5	8	24	700

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

Specialization: Construction Technology & Management

SEMESTER: II

	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table- I	Professional Elective I	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit.	
2	MTCM1202	Prefabrication Design & Its Construction Technology	70	15	10	05	-	-	-	100	3	1	-	04		
3	MTCM1203	Construction Equipment and Material Management	70	15	10	05	-	-	-	100	3	1	-	04		
4	MTCM1204	Financial Management in Construction Industries	70	15	10	05	-	-	-	100	3	1	-	04		
5	MTCM1205	Appropriate Technology and Energy Conservation	70	15	10	05	-	-	-	100	3	1	-	04		
6	MTCM1206	Material Testing –II	-	-	-	-	70	15	15	100	-	-	4	02		
7	MTCM1207	Software Lab –II	-	-	-	-	70	15	15	100	-	-	4	02		
8	MT1208	# Audit Course II (English for Research Paper Writing)	35	-	10	05	-	-	-	50	2	-	-	00		
Total			350	75	50	25	140	30	30	700	17	05	08	24	700	

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

Table I: Professional Elective-I

Subject Code	MTCM12101	MTCM12102	MTCM12103
Name of Professional Elective Subject	Construction Management	Bridge Engineering	Remote Sensing & GIS

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

Specialization: Construction Technology & Management

SEMESTER: III

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table-II	Open Elective	70	15	10	05	-	-	-	100	3	1	-	04 One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit.		
2	Refer Table-III	Professional Elective II	70	15	10	05	-	-	-	100	3	1	-		04	
3	MTCM1303	Pre-Dissertation	-	-	-	-	200	50	50	300	-	-	12		06	
Total			140	30	20	10	200	50	50	500	6	2	12	14	500	

Table II: Open Elective

Subject Code	MT13101	MT13102	MT13103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Project

Table III: Professional Elective-II

Subject Code	MTCM13201	MTCM13202	MTCM13203
Name of Professional Elective Subject	Management of Quality and Safety in Construction	Advanced Highway Construction	Advanced Foundation Engineering

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME : Master of Technology

BRANCH : Civil Engineering

Specialization: Construction Technology & Management

SEMESTER: IV

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hours Per Week			Total Credits	Remark		
			Theory Slot				Practical Slot			Total Marks	L	T			P	
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	MTCM1401	Dissertation	-	-	-	-	300	100	100	500	-	-	32	16	500	One hour Lecture (L) refer 1 credit, one hour Tutorial (T) refer 1 credit, and one hour Practical (P) refer 0.5 credit
Total			-	-	-	-	300	100	100	500	-	-	32	16	500	

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Computer Science and Engineering

Specialization: Cyber Security

SEMESTER : I

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	MT1101	Research Methodology & IPR	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, One hour Tutorial (T) refer 1 credit, One hour Practical (P) refer 0.5 credit.	
2	MTCY1102	Advance Data Base Management System	70	15	10	05	-	-	-	100	3	1	-	04		
3	MTCY1103	Advance System Programming and Operating System.	70	15	10	05	-	-	-	100	3	1	-	04		
4	MTCY1104	Advance Data Structure and Algorithms.	70	15	10	05	-	-	-	100	3	1	-	04		
5	MTCY1105	Advance Digital Computer Organization.	70	15	10	05	-	-	-	100	3	1	-	04		
6	MTCY1106	Data Structure & Database Lab	-	-	-	-	70	15	15	100	-	-	4	02		
7	MTCY 1107	System Programming & Networking lab	-	-	-	-	70	15	15	100	-	-	4	02		
8	MT 1108	# Audit Course I (Value Education)	35	-	10	05	-	-	-	50	2	-	-	00		
Total			385	75	50	30	140	30	30	750	17	05	08	24	700	

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Computer Science and Engineering

Specialization: Cyber Security

SEMESTER : II

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
					Performance, Lab Record & Assignment	Quiz/Attendance									
1	Refer Table- I	Professional Elective I	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, One hour Tutorial (T) refer 1 credit, One hour Practical (P) refer 0.5 credit.
2	MTCY 1202	Advance computer Network and Wireless Sensor Network.	70	15	10	05	-	-	-	100	3	1	-	04	
3	MTCY 1203	Artificial Intelligence and Soft Computing.	70	15	10	05	-	-	-	100	3	1	-	04	
4	MTCY1204	Advance Computer Graphics & Multimedia.	70	15	10	05	-	-	-	100	3	1	-	04	
5	MTCY1205	Applied Cryptography.	70	15	10	05	-	-	-	100	3	1	-	04	
6	MTCY1206	Networking and Soft Computing Lab	-	-	-	-	70	15	15	100	-	-	4	02	
7	MTCY1 207	Applied Cryptography and Multimedia Lab.	-	-	-	-	70	15	15	100	-	-	4	02	
8	MT 1208	# Audit Course II(English for Research Paper Writing)	35	-	10	05	-	-	-	50	2	-	-	00	
Total			350	75	50	25	140	30	30	700	17	05	08	24	700

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

Table I: Core Elective-I

Subject Code	MTCY12101	MTCY12102	MTCY12103
Name of Professional Elective Subject	Cloud Computing	Information Security and Quality Assurance	Computer Forensic Science

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Computer Science and Engineering

Specialization: Cyber security

SEMESTER : III

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week	Total Credits	Remark		
			Theory Slot				Practical Slot								
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work						Total Marks	
								Lab Performance, Lab Record & Viva	Assignment/Quiz/Attendance						
L	T	P													
1	Refer Table II	Open Elective	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, One hour Tutorial (T) refer 1 credit, One hour Practical (P) refer 0.5 credit.
2	Refer Table III	Professional Elective II	70	15	10	05	-	-	-	100	3	1	-		
5	MTCY1303	Pre-Dissertation	-	-	-	-	200	50	50	300	-	-	12		
Total			140	30	20	10	200	50	50	500	06	02	12	14	500

Table II: Open Elective

Subject Code	MT13101	MT13102	MT13103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Projects

Table III: Professional Elective

Subject Code	MTCY13201	MTCY13202	MTCY13203
Name of Professional Elective Subject	Digital Cyber Crimes & Cyber Criminology	Python Programming	Biometric Security

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Computer Science and Engineering **Specialization:** Cyber security

Semester: IV

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	MTCY1401	Dissertation	-	-	-	-	300	100	100	500	-	-	32	16	One hour Lecture (L) refer 1 credit, One hour Tutorial (T) refer 1 credit, One hour Practical (P) refer 0.5 credit.	
Total			-	-	-	-	300	100	100	500	-	-	32	16	500	

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Electronics and Communication Engineering

Specialization: Digital Communication

SEMESTER: I

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	MT1101	Research Methodology & IPR	70	15	10	05	-	-	-	100	3	1	-	04	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.
2	MTDC1102	DSP & Its Applications	70	15	10	05	-	-	-	100	3	1	-	04	
3	MTDC1103	Advanced Digital Communication	70	15	10	05	-	-	-	100	3	1	-	04	
4	MTDC1104	Modern Telephone Switching System	70	15	10	05	-	-	-	100	3	1	-	04	
5	MTDC1105	Microcontroller System	70	15	10	05	-	-	-	100	3	1	-	04	
6	MTDC1106	Digital Signal Processing Lab	-	-	-	-	70	15	15	100	-	-	4	02	
7	MTDC1107	Microcontroller lab	-	-	-	-	70	15	15	100	-	-	4	02	
8	MT1108	# Audit Course I (Value Education)	35	-	10	05	-	-	-	50	2	-	-	00	
Total			350	75	50	25	140	30	30	700	17	05	08	24	700

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Electronics & Communication Engineering

Specialization: Digital Communication

SEMESTER: II

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	Refer Table- I	Professional Elective -I	70	15	10	05	-	-	-	100	3	1	-	04	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.
2	MTDC 1202	Data Communication & Computer Network	70	15	10	05	-	-	-	100	3	1	-	04	
3	MTDC 1203	Optical Communication	70	15	10	05	-	-	-	100	3	1	-	04	
4	MTDC 1204	Wireless & Mobile Communication	70	15	10	05	-	-	-	100	3	1	-	04	
5	MTDC 1205	Antenna Engineering & Design	70	15	10	05	-	-	-	100	3	1	-	04	
6	MTDC 1206	Advance Communication & Networking Lab	-	-	-	-	70	15	15	100	-	-	4	02	
7	MTDC 1207	Optical Communication Lab	-	-	-	-	70	15	15	100	-	-	4	02	
8	MT 1208	# Audit Course II(English for Research Paper Writing)	35	-	10	05	-	-	-	50	2	-	-	00	
Total			350	75	50	25	140	30	30	700	17	05	08	24	700

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

Table I: Core Elective-I

Subject Code	MTDC12101	MTDC12102	MTDC12103
Name of Professional Elective Subject	Satellite Communication	Speech Processing	Artificial Intelligence

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Electronics & Communication Engineering

Specialization: Digital Communication

SEMESTER: III

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table- II	Open Elective	70	15	10	05	-	-	-	100	3	1	-	04 One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.		
2	Refer Table -III	Professional Elective-II	70	15	10	05	-	-	-	100	3	1	-		04	
5	MTDC1303	Pre-Dissertation	-	-	-	-	200	50	50	300	-	-	12		06	
Total			140	30	20	10	200	50	50	500	6	2	12	14	500	

Table II: Open Elective

Subject Code	MT13101	MT13102	MT13103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Projects

Table III: Core Elective-II

Subject Code	MTDC13201	MTDC13202	MTDC13203
Name of Professional Elective Subject	Information Theory & Coding	Embedded System Design	Digital Image Processing

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Electronics & Communication Engineering

Specialization: Digital Communication

SEMESTER: IV

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week	Total Credits	Remark			
			Theory Slot				Practical Slot								
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Total Marks						L	T	P					
1	MTDC1401	Dissertation	-	-	-	-	300	100	100	500	-	-	32	16	One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit.
Total			-	-	-	-	300	100	100	500	-	-	32	16	500

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology
BRANCH : Electrical Engineering

Specialization: Power System

SEMESTER: I

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	MT1101	Research Methodology & IPR	70	15	10	5	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
2	MTPS1102	Advanced Power System Analysis	70	15	10	5	-	-	100	3	1	-	04		
3	MTPS1103	Advanced Power System Protection	70	15	10	5	-	-	100	3	1	-	04		
4	MTPS1104	High Voltage Engineering	70	15	10	5	-	-	100	3	1	-	04		
5	MTPS1105	EHV AC Transmission System	70	15	10	5	-	-	100	3	1	-	04		
6	MTPS1106	Power System Lab	-	-	-	-	70	15	15	100	-	-	4	02	
7	MTPS1107	Fundamental of MATLAB	-	-	-	-	70	15	15	100	-	-	4	02	
8	MT1108	# Audit Course I (Value Education)	35	-	10	5	-	-	-	50	2	-	-	00	
Total			350	75	50	25	140	30	30	700	17	5	08	24	700

#Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Electrical Engineering

Specialization: Power System

SEMESTER: II

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	Refer Table- I	Professional Elective I	70	15	10	5	-	-	-	100	3	1	-	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	MTPS1202	Power Quality	70	15	10	5	-	-	-	100	3	1	-		
3	MTPS1203	Energy Auditing Conservation and Management	70	15	10	5	-	-	-	100	3	1	-		
4	MTPS1204	Advanced Power System Protection Relays	70	15	10	5	-	-	-	100	3	1	-		
5	MTPS1205	Advanced HVDC Transmission Systems	70	15	10	5	-	-	-	100	3	1	-		
6	MTPS1206	Power System Analysis Lab	-	-	-	-	70	15	15	100	-	-	4		
7	MTPS1207	MATLAB / SIMULINK	-	-	-	-	70	15	15	100	-	-	4		
8	MT1208	# Audit Course II(English for Research Paper Writing)	35	-	10	5	-	-	-	50	2	-	-		
Total			350	75	50	25	140	30	30	700	17	5	08	24	700

Table I: Professional Elective-I

Subject Code	MTPS12101	MTPS12102	MTPS12103
Name of Professional Elective Subject	Flexible AC Transmission Systems	Advanced Power System Stability	Modern Control Theory

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology
BRANCH : Electrical Engineering

Specialization: Power System

SEMESTER: III

S.No	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			L	T	P			
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work	Total Marks						
1	Refer Table-II	Open Elective	70	15	10	5	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
2	Refer Table-III	Professional Elective-II	70	15	10	5	-	-	100	3	1	-	04		
3	MTPS1303	Pre-Dissertation	-	-	-	-	200	50	50	300	-	-	12	06	
Total			140	30	20	10	200	50	50	500	06	02	12	14	500

Table II: Open Elective

Subject Code	MT13101	MT13102	MT13103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Project

Table III: Professional Elective-II

Subject Code	MTPS13201	MTPS13202	MTPS13203
Name of Professional Elective Subject	Advanced Electrical Drives	Transient Over Voltages & Power Systems	Voltage Stability of Power System

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology
BRANCH : Electrical Engineering

Specialization: Power System

SEMESTER: IV

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
					Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance									
1	MTPS1401	Dissertation	-	-	-	-	300	100	100	500	-	-	32	16	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
Total			-	-	-	-	300	100	100	500	-	-	32	16	500

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Mechanical Engineering

Specialization: Thermal Engineering

SEMESTER: I

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week	Total Credits	Remark			
			Theory Slot				Practical Slot								
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
			L	T	P										
1	MT1101	Research Methodology & IPR	70	15	10	05	-	-	-	100	3	1	-	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	MTTE 1102	Advanced Thermodynamics	70	15	10	05	-	-	100	3	1	-			
3	MTTE 1103	Advanced Fluid Mechanics	70	15	10	05	-	-	100	3	1	-			
4	MTTE 1104	IC Engine & Alternate Fuels.	70	15	10	05	-	-	100	3	1	-			
5	MTTE 1105	Boiler Auxiliaries & Performance Evaluation.	70	15	10	05	-	-	100	3	1	-			
6	MTTE 1106	Fluid Mechanics Lab	-	-	-	-	70	15	15	100	-	-	4		
7	MTTE 1107	IC Engine Lab	-	-	-	-	70	15	15	100	-	-	4		
8	MT 1108	# Audit Course I (Value Education)	35	-	10	05	-	-	-	50	2	-	-		
Total			350	75	50	25	140	30	30	700	17	05	08	24	700

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology
BRANCH : Mechanical Engineering.

Specialization: Thermal Engineering.

SEMESTER: II

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table-I	Professional Elective - I	70	15	10	05	-	-	-	100	3	1	-	04 One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.		
2	MTTE 1202	Advanced Refrigeration & Air Conditioning	70	15	10	05	-	-	-	100	3	1	-			
3	MTTE 1203	Advanced Heat Transfer	70	15	10	05	-	-	-	100	3	1	-			
4	MTTE 1204	Computation Fluid Dynamics	70	15	10	05	-	-	-	100	3	1	-			
5	MTTE 1205	Energy Conservation Management & Audit	70	15	10	05	-	-	-	100	3	1	-			
6	MTTE 1206	Refrigeration & Air Conditioning Lab	-	-	-	-	70	15	15	100	-	-	4			
7	MTTE 1207	Computation Fluid Dynamics Lab	-	-	-	-	70	15	15	100	-	-	4			
8	MT 1208	# Audit Course II (English for Research Paper Writing)	35	-	10	05	-	-	-	50	2	-	-			
Total			350	75	50	25	140	30	30	700	17	05	08	24	700	

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

Table I: Professional Elective-I

Professional Elective –I Subject Code	MTTE12101	MTTE12102	MTTE12103
Name of Professional Elective Subject	Environmental Pollution and Control	Solar Energy Technology	Gas Dynamics

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Mechanical Engineering

Specialization: Thermal Engineering

SEMESTER: III

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week	Total Credits	Remark				
			Theory Slot				Practical Slot									
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva Assignment /Quiz/Attendance	Total Marks				L	T	P	
1	Refer Table- II	Open Elective	70	15	10	05	-	-	-	100	3	1	-	4	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	Refer Table- III	Professional Elective -II	70	15	10	05	-	-	-	100	3	1	-			4
5	MTTE 1303	Pre-Dissertation	-	-	-	-	200	50	50	300	-	-	12			6
Total			140	30	20	10	200	50	50	500	06	02	12	14	500	

Table II: Open Elective

Open Elective Subject Code	MT13101	MT13102	MT13103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Projects

Table III: Professional Elective-II

Professional Elective –II Subject Code	MTTE13201	MTTE13202	MTTE13203
Name of Professional Elective II Subject	Analysis of Thermal Power Cycles	Finite Element Method in Heat Transfer Analysis	Computer Aided Design of Thermal System

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Mechanical Engineering.

Specialization: Thermal Engineering.

SEMESTER: IV

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	MTTE1401	Dissertation	-	-	-	-	300	100	100	500	-	-	32	16	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
Total			-	-	-	-	300	100	100	500	-	-	32	16	500	

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Computer Science and Engineering

Specialization: Computer Science and Engineering

SEMESTER: I

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Performance, Lab	Assignment /Quiz/Attendance	Total Marks						
1	MT1101	Research Methodology & IPR	70	15	10	5	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, One hour Tutorial (T) refer 1 credit, One hour Practical (P) refer 0.5 credit.	
2	MTCS1102	Advance Data Structure and Algorithms.	70	15	10	5	-	-	-	100	3	1	-	04		
3	MTCS1103	Advance Data Base Management System	70	15	10	5	-	-	-	100	3	1	-	04		
4	MTCS1104	Advance System Programming and Operating system.	70	15	10	5	-	-	-	100	3	1	-	04		
5	MTCS1105	Advance Computer Network.	70	15	10	5	-	-	-	100	3	1	-	04		
6	MTCS1106	Data Structure and Database Lab	-	-	-	-	70	15	15	100	-	-	4	02		
7	MTCS1107	Operating System and Networking Lab	-	-	-	-	70	15	15	100	-	-	4	02		
8	MT1108	# Audit Course I (Value Education)	35	-	10	5	-	-	-	50	2	-	-	00		
Total			385	75	50	30	140	30	30	750	17	05	08	24	700	

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Computer Science and Engineering

Specialization: Computer Science and Engineering

SEMESTER: II

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table- I	Professional Elective I	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refer 1 credit, One hour Tutorial (T) refer 1 credit, One hour Practical (P) refer 0.5 credit.	
2	MTCS1202	Artificial Intelligence and Soft Computing	70	15	10	05	-	-	-	100	3	1	-	04		
3	MTCS 1203	Network Security and Wireless Sensor Network	70	15	10	05	-	-	-	100	3	1	-	04		
4	MTCS 1204	Parallel Computer Architecture	70	15	10	05	-	-	-	100	3	1	-	04		
5	MTCS1205	Advance Computer Graphics & Multimedia.	70	15	10	05	-	-	-	100	3	1	-	04		
6	MTCS1 206	Artificial Intelligence and Network Security Lab	-	-	-	-	70	15	15	100	-	-	4	02		
7	MTCS1207	Computer Architecture and Multimedia Lab	-	-	-	-	70	15	15	100	-	-	4	02		
8	MT 1208	# Audit Course II(English for Research Paper Writing)	35	-	10	05	-	-	-	50	2	-	-	00		
Total			350	75	50	25	140	30	30	700	17	05	08	24	700	

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

Table I: Professional Elective-I

Subject Code	MTCS12101	MTCS12102	MTCS12103
Name of Professional Elective Subject	Cloud Computing	Mobile Network System	High Performance Computing

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Computer Science and Engineering

Specialization: Computer Science and Engineering

SEMESTER: III

.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table II	Open Elective	70	15	10	05	-	-	-	100	03	01	-	04	One hour Lecture (L) refer 1 credit, One hour Tutorial (T) refer 1 credit, One hour Practical (P) refer 0.5 credit.	
2	Refer Table III	Professional Elective II	70	15	10	05	-	-	-	100	03	01	-	04		
5	MTCS- 303	Pre-Dissertation	-	-	-	-	200	50	50	300	-	-	12	06		
Total			140	30	20	10	200	50	50	500	06	02	12	14	500	

Table II: Open Elective

Subject Code	MT13101	MT13102	MT13103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Projects

Table III: Professional Elective-II

Subject Code	MTCS13201	MTCS13202	MTCS13203
Name of Professional Elective Subject	Python Programming	Data Mining and Warehousing	Simulation And Modeling

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Computer Science and Engineering

Specialization: Computer Science and Engineering

SEMESTER: IV

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	MTCS1401	Dissertation	-	-	-	-	300	100	100	500	-	-	32	16	One hour Lecture (L) refer 1 credit, One hour Tutorial (T) refer 1 credit, One hour Practical (P) refers 0.5 credit.	
Total			-	-	-	-	300	100	100	500	-	-	32	16	500	

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Mechanical Engineering

Specialization: Production Engineering

SEMESTER: I

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	MT1101	Research Methodology & IPR	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credits.
2	MTPE 102	Product Design & Development	70	15	10	05	-	-	-	100	3	1	-	04	
3	MTPE 103	Mechanical Measurement and Metrology	70	15	10	05	-	-	-	100	3	1	-	04	
4	MTPE 104	Advanced Materials Technology	70	15	10	05	-	-	-	100	3	1	-	04	
5	MTPE 105	Finite Element Method	70	15	10	05	-	-	-	100	3	1	-	04	
6	MTPE106	CAD/CAM Lab	-	-	-	-	70	15	15	100	-	-	4	02	
7	MTPE 107	Production Technology Lab	-	-	-	-	70	15	15	100	-	-	4	02	
8	MT108	# Audit Course I (Value Education)	35	-	10	05	-	-	-	50	2	-	-	00	
Total			350	75	50	25	140	30	30	700	17	05	08	24	700

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Mechanical Engineering

Specialization: Production Engineering

SEMESTER: II

S.No.	Subject Code	Subject Name	Maximum Marks Allotted							Teaching Hour per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	Refer Table- I	Professional Elective I	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
2	MTPE202	Industrial Design & Ergonomics	70	15	10	05	-	-	-	100	3	1	-	04	
3	MTPE203	Thermo Fabrication Processes	70	15	10	05	-	-	-	100	3	1	-	04	
4	MTPE204	Maintenance Engineering	70	15	10	05	-	-	-	100	3	1	-	04	
5	MTPE205	Rapid Prototyping	70	15	10	05	-	-	-	100	3	1	-	04	
6	MTPE206	Manufacturing Technique Lab	-	-	-	-	70	15	15	100	-	-	4	02	
7	MTPE207	Maintenance Policy and Repair Lab.	-	-	-	-	70	15	15	100	-	-	4	02	
8	MT208	# Audit Course II(English for Research Paper Writing)	35	-	10	05	-	-	-	50	2	-	-	00	
Total			350	75	50	25	140	30	30	700	17	05	08	24	700

Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

Table I: Professional Elective-I

Professional Elective –I Subject Code	MTPE2101	MTPE2102	MTPE2103
Name of Professional Elective Subject-I	Quality and Reliability Engineering	Virtual Design and Manufacturing	Lean Manufacturing Systems

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Mechanical Engineering

Specialization: Production Engineering

SEMESTER: II

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Mechanical Engineering

Specialization: Production Engineering

SEMESTER: III

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot				Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work								
								Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance							
1	Refer Table II	Open Elective	70	15	10	05	-	-	-	100	3	1	-	04	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.	
2	Refer Table III	Professional Elective II	70	15	10	05	-	-	-	100	3	1	-	04		
3	MTPE 303	Pre-Dissertation	-	-	-	-	200	50	50	300	-	-	12	06		
Total			140	30	20	10	200	50	50	500	06	02	12	14	500	

Table II: Open Elective

Open Elective Subject Code	MT3101	MT3102	MT3103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Projects

Table III: Professional Elective-II

Professional Elective II Subject Code	MTPE3201	MTPE3202	MTPE3203
Name of Professional Elective Subject	Optimization Techniques for Decision Making	Agile Manufacturing	Robust Design

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology

BRANCH : Mechanical Engineering

Specialization: Production Engineering

SEMESTER: IV

S. No.	Subject Code	Subject Nam	Maximum Marks Allotted							Teaching Hours Per Week			Total Credits	Remark	
			Theory Slot				Practical Slot			Total Marks	L	T			P
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work							
						Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance								
1	MTPE401	Dissertation	-	-	-	-	300	100	100	500	-	-	32	16	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
Total			-	-	-	-	300	100	100	500	-	-	32	16	500

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

People's University, Bhopal
Department of Biotechnology and Microbiology
Bachelor of Science in Biotechnology (B.Sc. Biotechnology)

Scheme of Examination

w.e.f Academic Section 2021-2022

SEMESTER I

Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks	
							External Assessment	Internal Assessment	External Assessment	Internal Assessment			
BSC - 101	MAC	Fundamentals of Biochemistry	4	0	2	6	70	30	70	30	200	80	
BSC - 102	MIC	Cell Biology	4	0	2	6	70	30	70	30	200	80	
FC-101	AEC	English Language	4	0	0	4	70	30	-	-	100	40	
		Elective: Choose any One of GEC											
BGE - 101	GEC	Computer fundamentals	4	0	0	4	70	30	-	-	100	40	
BGE - 102	GEC	Soft Skills											
Total						20					600	240	

Abbreviations used

Major Course: MAC; Minor Course: MIC; Generic Elective Course: GEC; Skill Enhancement Course: SEC; Ability Enhancement Courses: AEC; Discipline Specific Electives Course: DSEC; Field Project: FP; Project Work: PW; L: lecture; T: Tutorial; P: Practical

Review Done

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FACULTY OF SCIENCE
PEOPLE'S UNIVERSITY BHOPAL

People's University, Bhopal
Department of Biotechnology and Microbiology
Bachelor of Science in Biotechnology (B.Sc. Biotechnology)

Scheme of Examination

w.e.f Academic Section 2021-2022

SEMESTER II

Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks
							External Assessment	Internal Assessment	External Assessment	Internal Assessment		
BSC - 201	MAC	General Microbiology	4	0	2	6	70	30	70	30	200	80
BSC - 202	MIC	Immunology	4	0	2	6	70	30	70	30	200	80
FC- 201	AEC	Environmental Science	4	0	0	4	70	30	-	-	100	40
Elective: Choose any One of GEC												
BGE - 104	GEC	Communication Skills	4	0	0	4	70	30	-	-	100	40
BGE - 105	GEC	Programming for problem solving										
Total						20					600	240

Abbreviations used

Major Course: MAC; Minor Course: MIC; Generic Elective Course: GEC; Skill Enhancement Course: SEC; Ability Enhancement Courses: AEC; Discipline Specific Electives Course: DSEC; Field Project: FP; Project Work: PW; L: lecture; T: Tutorial; P: Practical

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People's University, Bhopal
Department of Biotechnology and Microbiology
Bachelor of Science in Biotechnology (B.Sc. Biotechnology)

Scheme of Examination

w.e.f Academic Section 2021-2022

SEMESTER III

Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks	
							External Assessment	Internal Assessment	External Assessment	Internal Assessment			
BSC - 301	MAC	Bioenergetics and metabolism	4	0	2	6	70	30	70	30	200	80	
BSC - 302	MIC	Enzymology	4	0	2	6	70	30	70	30	200	80	
BSC - 303	SEC	Pharmaceutics	3	0	1	4	70	30	70	30	200	80	
		Elective: Choose any One of GEC											
BGE - 201	GEC	Web designing and E commerce	4	0	0	4	70	30	-	-	100	40	
BGE - 202	GEC	Human health and nutrition											
Total						20						700	280

Abbreviations used

Major Course: MAC; Minor Course: MIC; Generic Elective Course: GEC; Skill Enhancement Course: SEC; Ability Enhancement Courses: AEC; Discipline Specific Electives Course: DSEC; Field Project: FP; Project Work: PW; L: lecture; T: Tutorial; P: Practical

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People's University, Bhopal
Department of Biotechnology and Microbiology
Bachelor of Science in Biotechnology (B.Sc. Biotechnology)

Scheme of Examination

w.e.f Academic Section 2021-2022

SEMESTER IV

Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks
							External Assessment	Internal Assessment	External Assessment	Internal Assessment		
BSC- 401	MAC	Molecular Biology	4	0	2	6	70	30	70	30	200	80
BSC- 402	MIC	Genetics	4	0	2	6	70	30	70	30	200	80
BSC- 403	SEC	Novel Drug Delivery	4	0	0	4	70	30	-	-	100	40
Elective: Choose any One of GEC												
BGE - 203	GEC	Ethical hacking and cyber security	4	0	0	4	70	30	-	-	100	40
BGE - 204	GEC	Entrepreneurship Development										
Total											600	240

Abbreviations used

Major Course: MAC; Minor Course: MIC; Generic Elective Course: GEC; Skill Enhancement Course: SEC; Ability Enhancement Courses: AEC; Discipline Specific Electives Course: DSEC; Field Project: FP; Project Work: PW; L: lecture; T: Tutorial; P: Practical

Ravi Shankar
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People's University, Bhopal
Department of Biotechnology and Microbiology
Bachelor of Science in Biotechnology (B.Sc. Biotechnology)

Scheme of Examination
w.e.f Academic Section 2021-2022

SEMESTER V

Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks
							External Assessment	Internal Assessment	External Assessment	Internal Assessment		
BSC- 501	MAC	Bio-analytical Techniques	4	0	2	6	70	30	70	30	200	80
BSC- 502	SEC	Pharmacovigilance	4	0	0	4	70	30	-	-	100	40
Elective: Choose any One of DSEC												
BSC- 503	DSEC	Industrial Biotechnology	3	0	1	4	70	30	70	30	200	80
BSC- 504	DSEC	Environmental Biotechnology										
BSC- 505	FP	Field Project				6				Field Project: 75 Evaluation Report : 25	100	40
Total						20					600	240

Abbreviations used

Major Course: MAC; Minor Course: MIC; Generic Elective Course: GEC; Skill Enhancement Course: SEC; Ability Enhancement Courses: AEC; Discipline Specific Electives Course: DSEC; Field Project: FP; Project Work: PW; L: lecture; T: Tutorial; P: Practical

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People's University, Bhopal
Department of Biotechnology and Microbiology
Bachelor of Science in Biotechnology (B.Sc. Biotechnology)

Scheme of Examination

w.e.f Academic Section 2021-2022

SEMESTER VI


Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks
							External Assessment	Internal Assessment	External Assessment	Internal Assessment		
BSC - 601	MAC	Recombinant DNA Technology	4	0	2	6	70	30	70	30	200	80
Elective: Choose any Two of DSEC												
BSC - 602	DSEC	Animal Biotechnology	3	0	1	4	70	30	70	30	200	80
BSC - 603	DSEC	Plant Biotechnology										
BSC - 604	DSEC	Medical Biotechnology										
BSC - 605	DSEC	Pharmaceutical Biotechnology	3	1	0	6	Field Project: 75 Evaluation Report : 25					40
BSC - 606	PW	Project Work										100
Total											700	280

Abbreviations used

Major Course: MAC; Minor Course: MIC; Generic Elective Course: GEC; Skill Enhancement Course: SEC; Ability Enhancement Courses: AEC; Discipline Specific Electives Course: DSEC; Field Project: FP; Project Work: PW; L: lecture; T: Tutorial; P: Practical

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SCHEME OF EXAMINATION

w.e.f Academic Section 2020-2021

SEMESTER I

Paper code	Paper Name	T/P	Credit points	Theory		Practical		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
MSC -101	Cell Biology	T	4	80	20	-	-	100	40
MSC -102	Immunology	T	4	80	20	-	-	100	40
MSC -103	General Microbiology	T	3	80	20	-	-	100	40
MSC -104	Microbial Physiology	T	3	80	20	-	-	100	40
MSC -105	Practical I (Based on MSC -101 and MSC -102)	P	4	-	-	80	20	100	40
MSC -106	Practical II (Based on MSC -103 and MSC -104)	P	4	-	-	80	20	100	40
MSC -107	Seminar	T	1	-	50	-	-	50	20
MSC -108	Communication Skills	T	1	-	50	-	-	50	20
Total				320	180	160	40	700	280

Note:

- Internal assessment marks will be based on written test, seminar/assignment & attendance in theory paper and practical record & attendance in practical papers respectively.
- Passing criteria will be 40% of marks (External and Internal) together.

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SCHEME OF EXAMINATION

w.e.f Academic Section 2020-2021

SEMESTER II

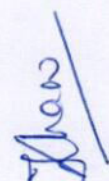
Paper code	Paper Name	T/P	Credit points	Theory		Practical		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
MBT-201	Molecular Biology	T	4	80	20	-	-	100	40
MSC-201	Genetic Engineering	T	4	80	20	-	-	100	40
MSC-202	Bioinstrumentation Biostatistics and Bioinformatics	T	3	80	20	-	-	100	40
MSC-203	Biomolecules and Metabolism	T	3	80	20	-	-	100	40
MBT-202	Practical III (Based on MBT-201 and MSC-201)	P	4	-	-	80	20	100	40
MSC-204	Practical IV (Based on MSC-202 and MSC-203)	P	4	-	-	80	20	100	40
MSC-205	Journal Club	T	1	-	50	-	-	50	20
Total				320	130	160	40	650	260

Note:

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SEMESTER III

Paper code	Paper Name	T/P	Credit points	Theory		Practical		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
MSC-301	Genomics and Proteomics	T	4	80	20	-	-	100	40
MSC-302	Bioprocess technology and Nanotechnology	T	4	80	20	-	-	100	40
MSC-303	Animal Biotechnology	T	3	80	20	-	-	100	40
MSC-304	Plant Biotechnology	T	3	80	20	-	-	100	40
MSC-305	Practical V (Based on MSC-301 and MSC-302)	P	4	-	-	80	20	100	40
MSC-306	Practical VI (Based on MSC-303 and MSC-304)	P	4	-	-	80	20	100	40
MSC-307	Project Proposal Presentation	T	1	-	50	-	-	50	20
Total				320	130	160	40	650	260

Note:

- Internal assessment marks will be based on written test, seminar/assignment & attendance in theory paper and practical record & attendance in practical papers respectively.
- Passing criteria will be 40% of marks (External and Internal) together.

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SEMESTER IV

Paper code	Paper Name	T/P	Credit points	Theory		Viva Voice		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
Elective MSC-401	Intellectual Property Rights, Biosafety and Bioethics	T	3	80	20	-	-	100	40
MSC-402	Clinical and Translational Research								
MSC-403	Dissertation and Viva-Voice	P	20	-	-	100	100	200	80
Total			23	80	20	100	100	300	120

Note:

- Internal assessment marks will be based on written test, seminar/assignment & attendance in theory paper and practical record & attendance in practical papers respectively.
- Passing criteria will be 40% of marks (External and Internal) together.

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SEMESTER I

Paper code	Paper Name	T/P	Credit points	Theory		Practical		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
MSC- 102	Immunology	T	4	80	20	-	-	100	40
MSC- 103	General Microbiology	T	4	80	20	-	-	100	40
MSC- 109	Bio-analytical techniques	T	3	80	20	-	-	100	40
MSC- 110	Biochemistry and Metabolic Disorders	T	3	80	20	-	-	100	40
MSC- 111	Practical I (Based on MSC- 102 and MSC- 103)	P	4	-	-	80	20	100	40
MSC- 112	Practical II (Based on MSC- 109 and MSC- 110)	P	4	-	-	80	20	100	40
MSC- 107	Seminar	T	1	-	50	-	-	50	20
MSC- 108	Communication Skills	T	1	-	50	-	-	50	20
Total				320	180	160	40	700	280

Note:

- Internal assessment marks will be based on written test, seminar/assignment & attendance in theory paper and practical record & attendance in practical papers respectively.
- Passing criteria will be 40% of marks (External and Internal) together.

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SEMESTER II

Paper code	Paper Name	T/P	Credit points	Theory		Practical		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
MSC- 201	Genetic Engineering	T	4	80	20	-	-	100	40
MSC- 206	Molecular Biology	T	4	80	20	-	-	100	40
MSC- 207	Biostatistics and Bioinformatics	T	3	80	20	-	-	100	40
MSC- 211	Microbial Physiology	T	3	80	20	-	-	100	40
MSC- 212	Practical III (Based on MSC- 201 and MSC- 206)	P	4	-	-	80	20	100	40
MSC- 213	Practical IV (Based on MSC- 207 and MSC- 211)	P	4	-	-	80	20	100	40
MSC- 205	Journal Club	T	1	-	50	-	-	50	20
Total			23	320	130	160	40	650	260

Note:

- Internal assessment marks will be based on written test, seminar/assignment & attendance in theory paper and practical record & attendance in practical papers respectively.
- Passing criteria will be 40% of marks (External and Internal) together.


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SEMESTER III

Paper code	Paper Name	T/P	Credit points	Theory		Practical		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
MSC- 311	Environmental and Agriculture Microbiology	T	3	80	20	-	-	100	40
MSC- 312	Medical Microbiology	T	3	80	20	-	-	100	40
MSC- 313	Food and Dairy Microbiology	T	4	80	20	-	-	100	40
MSC- 314	Industrial Microbiology and Bioprocess	T	4	80	20	-	-	100	40
MSC- 315	Practical V (Based on MSC- 311 and MSC- 312)	P	4	-	-	80	20	100	40
MSC- 316	Practical VI (Based on MSC- 313 and MSC- 314)	P	4	-	-	80	20	100	40
MSC- 307	Project Proposal Presentation	T	1	-	50	-	-	50	20
Total			23	320	130	240	60	750	300

Note:

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SEMESTER IV

Paper code	Paper Name	T/P	Credit points	Theory		Viva Voice		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
Elective III MSC - 401	Intellectual Property Rights, Biosafety and Bioethics	T	3	80	20	-	-	100	40
MSC - 402	Clinical and Translational Research								
MSC - 403	Dissertation and Viva-Voice	P	20	-	-	100	100	200	80
Total			23	80	20	100	100	300	120

Note:

- Internal assessment marks will be based on written test, seminar/assignment & attendance in theory paper and practical record & attendance in practical papers respectively.
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