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								Teaching Hour Per Week			Total Credits	Remark
			Theory Slot				Practical Slot			Total Marks	L	T	P		
							End Sem	Term Work							
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	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) 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	-	**04**	
3	MET-1303	Mechanics of Materials	70	20	05	05	35	10	05	150	3	1	2	**05**	
4	MET-1304	Material Science	70	20	05	05	35	10	05	150	3	1	2	**05**	
5	MET-1305	Machine Drawing	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	MET-1308	Mechanical Engineering Software Lab - I	-	-	-	-	35	10	05	50	-	-	2	**01**	**Grand Total**
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

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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		
								Term Work							
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance						
1	BT-1401	Engineering Mathematics -III	70	20	05	05	-	-	-	**100**	3	1	-	**04**	
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**	**Grand Total**
Total			**350**	**100**	**25**	**25**	**175**	**50**	**75**	**800**	**15**	**05**	**12**	**26**	**800**

Remark: 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.

MST: Mid Semester Test (at least twice per Semester)   L: Lecture   T: Tutorial   P: Practical

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PROGRAMME: Bachelor of Technology
BRANCH : Mechanical Engineering

SEMESTER: **V**

S.No.	Subject Code	Subject Name	Theory Slot End Sem	Theory Slot MST	Theory Slot Quiz, Assignment	Theory Slot Attendance	Practical Slot End Sem	Term Work Lab Performance, Lab Record & Viva	Term Work Assignment /Quiz/Attendance	Total Marks	L	T	P	Total Credits	Remark
1	BT-1501	Entrepreneurship & IPR	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-1502	Power Plant Engineering.	70	20	05	05	-	-	-	100	3	1	-	**04**	
3	MET-1503	Theory of Machines – II (Dynamics)	70	20	05	05	35	10	05	150	3	1	2	**05**	
4	MET-1504	Heat and Mass Transfer	70	20	05	05	35	10	05	150	3	1	2	**05**	
5	MET-1505	Turbo Machinery	70	20	05	05	35	10	05	150	3	1	2	**05**	
6	MET-1506	Mechanical Engineering Software Lab – II	-	-	-	-	35	10	05	50	-	-	2	**01**	
7	MET-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.

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L: Lecture   T: Tutorial   P: Practical

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PROGRAMME: Bachelor of Technology
BRANCH : Mechanical Engineering

SEMESTER: **VI**

S No.	Subject Code	Subject Name	Theory Slot — End Sem	Theory Slot — MST	Theory Slot — Quiz, Assignment	Theory Slot — Attendance	Practical Slot — End Sem	Term Work — Lab Performance, Lab Record & Viva	Term Work — Assignment /Quiz/Attendance	Total Marks	Teaching Hour Per Week — L	T	P	Total Credits	Remark
1	Refer Table -I	Open Elective	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-1602	Production Planning & Control	70	20	05	05	-	-	-	100	3	1	-	**04**	
3	MET-1603	Machine Design - I	70	20	05	05	35	10	05	150	3	1	2	**05**	
4	MET-1604	Refrigeration & Air Conditioning	70	20	05	05	35	10	05	150	3	1	2	**05**	
5	MET-1605	Machine Tools and Operations.	70	20	05	05	35	10	05	150	3	1	2	**05**	
6	MET-1606	CNC & Metal Cutting 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**	**Grand Total**
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

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PROGRAMME: Bachelor of Technology
BRANCH : Mechanical Engineering
SEMESTER: **VII**

S No.	Subject Code	Subject Name	Theory Slot End Sem	Theory Slot MST	Theory Slot Quiz, Assignment	Theory Slot Attendance	Practical Slot End Sem	Term Work Lab Performance, Lab Record & Viva	Term Work Assignment /Quiz/Attendance	Total Marks	L	T	P	Total Credits	Remark
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**	**Grand Total**
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

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PROGRAMME: Bachelor of Technology
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SEMESTER: VIII

S.No.	Subject Code	Subject Name	Theory Slot — End Sem	Theory Slot — MST	Theory Slot — Quiz, Assignment	Theory Slot — Attendance	Practical Slot — End Sem	Term Work — Lab Performance, Lab Record & Viva	Term Work — Assignment /Quiz/Attendance	Total Marks	L	T	P	Total Credits	Remark
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**	Grand Total
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