# PEOPLE'S UNIVERSITY, BHOPAL Scheme of Examination

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

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

					Max	ximum	Mark	s Allotte	d		т	'aaalais			
				The	ory Slot			Practical S	Slot		Teaching Hour Per Week		er		
					t			Term	Work	<b>x</b>		VVCCK		dits	
S No.	Subject Code	Subject Name	End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Total Marks	L	Т	P	Total Credits	Remark
1	BT- 1301	Engineering Mathematics -II	<b>7</b> 0	20	05	05	-	-	-	100	3	1	-	04	to 1 (T) hour dit.
2	MET-1302	Applied Thermodynamics	<b>7</b> 0	20	05	05	-	26	Pr	100	3	1		04	Tutorial (T), One hour
3	MET-1303	Mechanics of Materials	70	20	05	05	35	10	05	150	3		2	05	(L) rel Turo lit, Oi to 0.5
4	MET-1304	Material Science	70	20	05	05	35	10	05	150	3	1	2	05	ure (I our redit ers to
5	MET-1305	Machine Drawing	70	20	05	05	35	10	05	150	3	1	2	05	Lecture he he he le che le
6	BT-1306	C++ Programming	-	-	-	-	35	10	05	50	-	-	2	01	nour , Or to cal (J
7	BT-1307	Professional Skills	-	-	-	-	-	-	50	50	-	-	2	01	One hour Lecture (L) credit, One hour Trefers to 1 credit, Practical (P) refers to 0
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

#### Scheme of Examination

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

PROGRAMME: Bachelor of Technology

BRANCH: Mechanical Engineering SEMESTER: IV

					Ma	ximur	n Marl	ks Allotted	1		Teaching Hour Per					
				Theor	y Slot		P	ractical Sl	ot							
					ıt			Term Work		7.0		Week		lits		
S No.	Subject Code	Subject Name	End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Total Marks	L	Т	P	Total Credits	Remark	
1	BT-1401	Engineering Mathematics -III	70	20	05	05	-	-	-	100	3	1	-	04	s to	
2	MET-1402	Production Process	70	20	05	05	F	21	A	100	3	1		04	refers to 1 (T) refers cal (P) ref	
3	MET-1403	Theory of Machines – I (Kinematics)	70	20	05	05	35	10	05	150	3		2	05		
4	MET-1404	Thermal Engineering.	70	20	05	05	35	10	05	150	3	1	2	05	ture (L) r Tutorial ar Practic 5 credit.	
5	MET -1405	Fluid Mechanics	70	20	05	05	35	10	05	150	3	1	2	05	One hour Lecture (L) cdit, One hour Tutoria redit, One hour Practi to 0.5 credit	
6	MET-1406	Manufacturing Process Lab	-	-	-	-	35	10	05	50	-	-	2	01	ne hou it, One edit, O	
7	BT-1407	Social Engineering.	-	-	1	-	-	-	50	50	-	1	2	01	O credi	
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	

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

L: Lecture

T: Tutorial

P: Practical

#### **Scheme of Examination**

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

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

SEMESTER: V

	BRANCH: Mechanical Engineering														
					N	<b>Iaximu</b>	m Ma	rks Allo	tted						
				Theor	y Slot	;		Practical	Slot		Teaching Hour Per week				
					ţ			Tern	n Work	S				lits	
S.No.	Subject Code	Subject Name	End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Total Marks	L	Т	P	Total Credits	Remark
1	BT-1501	Entrepreneurship & IPR	70	20	05	05	-	<b>\</b>	-	100	3	1		04	to 1 (T) hour it.
2	MET-1502	Power Plant Engineering.	70	20	05	05		A		100	3	1	-	04	Tutorial (One ho
3	MET-1503	Theory of Machines – II (Dynamics)	70	20	05	05	35	10	05	150	3	1	2	05	(L) re Tut Iit, C
4	MET-1504	Heat and Mass Transfer	70	20	05	05	35	10	05	150	3	1	2	05	ture (hour cred
5	MET-1505	Turbo Machinery	70	20	05	05	35	10	05	150	3	1	2	05	ur Lec One to 1 I (P) re
6	MET-1506	Mechanical Engineering Software Lab – II	-	-	1	1	35	10	05	50	-	-	2	01	
7	MET-1507	Industrial Training-I	-	-	-	-	70	20	10	100	-	-	4	02	One hc credit, refers Practic
8	BT-1508	# Indian Constitution	35	00	10	05	-	-	-	50	2	-	-	00	Grand Total
	TO	OTAL	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

#### Scheme of Examination

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

PROGRAMME: Bachelor of Technology

BRAN	ICH : Mecha	nical Engineering												SEMEST	ER: <b>VI</b>	
					N	<b>Aaxim</b>	um Ma	rks Allotte	ed							
				Theory	y Slot			Practical SI	ot			ching F er Wee				
					nt			Term V	Vork	S				dits		
S No.	. Subject Code	Subject Name	End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendan ce	Total Marks	L	Т	P	Total Credits	Remark	
1	Refer Table -I	Open Elective	70	20	05	05	-	-	-	100	3	1	-	04	it.	
2	MET-1602	Production Planning & Control	70	20	05	05	-	-	-	100	3	1	-	04	(L) refers to 1 Tutorial (T) t, One hour to 0.5 credit.	
3	MET-1603	Machine Design - I	70	20	05	05	35	10	05	150	3	1	2	05	red utor One o 0.4	
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	r Lecture One hour to 1 credi	
6	MET-1606	CNC & Metal Cutting Lab	-	-	-	ı	35	10	05	50	1	ı	2	01	ne hour credit, ( refers ractical	
7	BT-1607	Research Methodology	-	-	1	-	-	-	50	50	-	-	2	01	On C. C.	
8	BT-1608	GD/Seminar.	-	-	-	-	-	-	50	50	-	-	2	01	Grand Total	
	To	otal	350	100	25	25	140	40	120	800	15	05	12	26	800	

**Table I: Open Elective** 

	Tubic 1.	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

#### Scheme of Examination

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

PROGRAMME: Bachelor of Technology

BRANCH : Mechanical Engineering SEMESTER: VII

DICAIN		Harrical Engineering			Max	imum	Mark	ks Allotted						LIVILST	
				The	ory Slot			Practical S	Slot			ching er We	Hour eek		
		Subject Name			ıt			Term	Work	S <sub>2</sub>		ı		lits	
S No.	Subject Code		End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record &	Assignment /Quiz/Attendance	Total Marks	L	Т	P	Total Credits	Remark
1	Refer to Table-II	Professional Elective - I	70	20	05	05	-	-	-	100	3	1	-	04	o 1 sfers (P)
2	MET-1702	Robotics and Industrial Automation.	70	20	05	05	-	-	1	100	3	1	. (	04	fers to (T) re ctical
3	MET-1703	Industrial Engineering and Operations Research	70	20	05	05	35	10	05	150	3	1	2	05	ure (L) refers to Tutorial (T) re hour Practical 0.5 credit.
4	MET-1704	Control Systems and Electrical Machines	70	20	05	05	35	10	05	150	3	1	2	05	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.
5	MET-1705	Mechanical Measurements and Metrology Lab	-	-	-	1	-	-	50	50	-	-	2	01	e hour Lectu t, One hour credit, One refers to
6	MET-1706	Minor Project	-	-	-	1	105	40	05	150	-	-	6	03	One Predit,
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

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

#### Scheme of Examination

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

PROGRAMME: Bachelor of Technology

BRANCH : Mechanical Engineering SEMESTER: VIII

DRAIN	11.100	rianical Engineering											DEIVIE	SILK.	V 111
					M	laximu	ım Mar	ks Allotted			Tr.				
				Theo	ry Slot		]	Practical Slo	ot			ching i er We		<b>S</b>	
								Term V	Vork	<u>\$</u>				Credits	
S.No.	Subject Code	Subject Name	End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attenda nce	Total Marks	L	Т	P	Total Cre	Remark
1	Refer to Table - III	Professional Elective - II	70	20	05	05	-	-	-	100	3	1	-	04	to 1 (T) hour dit.
2	MET-1802	Machine Design - II	70	20	05	05	-	-	-	100	3	1	-	04	refers utorial One 0.5 cred
3	MET-1803	Energy Sources and Audit	70	20	05	05	35	10	05	150	3	1	2	05	t Jut
4	MET-1804	Quality Control and Reliability	70	20	05	05	35	10	05	150	3	1	2	05	Lecture (L) refers to ne hour Tutorial ( 1 credit. One ho P) refers to 0.5 credit.
5	MET-1805	Engineering Software lab – III	-	1	-	-	-	-	50	50	-	1	2	01	Le
6	MET-1806	Major Project	-	-	-	-	140	55	05	200	-	-	8	04	_ z _ a
7	BT-1807	Professional Ethics and Proficiency	-	-	-	-	35	10	05	50	-	-	2	01	One hor refers  Practic.
		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