

Mandsaur University															
2023 Scheme of Examination															
Semester	IV	BTech	Computer Science & Engineering												
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1		Theory	CSE160 TR1	Theory of Computation	60	30	10	3	1	-	4	100	CSE720 T/PR1	CSE721 T/PR1	Principle of Programming Languages
2		Theory	CSE170 TR1	Analysis and Design of Algorithms	60	30	10	2	1	-	3	100		CSE722 T/PR1	Network Security and Cryptography
3		Theory	CSE280 TR1	Operating Systems	60	30	10	2	1	-	3	100		CSE723 T/PR1	Routing and Switching with packet tracer
4		Theory	CSE720 TR1	Elective-CS2	60	30	10	2	1	-	3	100		CSE724 T/PR1	MongoDB
5		Theory	CSE730 TR1	Elective-CS3	60	30	10	2	1	-	3	100		CSE725 T/PR1	Virtualization & Cloud Computing
6		Practical	CSE170 PR1	Analysis and Design of Algorithms	25	15	10	-	-	2	1	50		CSE726 T/PR1	Data Science Using Python
7		Practical	CSE280 PR1	Operating Systems	25	15	10	-	-	2	1	50	CSE730 T/PR1	CSE731 T/PR1	Advanced Java Programming
8		Practical	CSE720 PR1	Elective-CS2	25	15	10	-	-	2	1	50		CSE732 T/PR1	Programming in PHP
9		Practical	CSE730 PR1	Elective-CS3	25	15	10	-	-	2	1	50		CSE733 T/PR1	Web Development with Python
10		Practical	MUC020 PR1	Quantitative Aptitude-II	50	40	10	-	-	4	2	100		CSE734 T/PR1	Computer Graphics
11														CSE735 T/PR1	Cloud Computing Architecture
12														CSE736 T/PR1	Machine Learning Techniques
<b>Total</b>					450	250	100	11	5	12	22	800			
ed by(BOS Coordir				Verified By (HOD/BOS Chairperson)				Submitted by(Dean Academics)							
Approved by(Vice Chancellor)															

Mandsaur University															
2023 Scheme of Examination															
Semester	IV	BTech	Computer Science & Engineering (Artificial Intelligence)												
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1		Theory	CSE160 TR1	Theory of Computation	60	30	10	3	1	-	4	100	CSE740 T/PR1	CSE741 T/PR1	Data Visualization
2		Theory	CSE170 TR1	Analysis and Design of Algorithms	60	30	10	2	1	-	3	100		CSE742 T/PR1	Data mining & Predictive Modeling
3		Theory	CSE280 TR1	Operating Systems	60	30	10	2	1	-	3	100		CSE743 T/PR1	Introduction to Data Science
4		Theory	CSE740 TR1	Elective-CSAI2	60	30	10	2	1	-	3	100	MAT210 T/PR1	MAT211 T/PR1	Statistical Methods for AI
5		Theory	MAT210 TR1	Elective-CSAI3	60	30	10	2	1	-	3	100		MAT212 T/PR1	Mathematical Fundamentals for AI
6		Practical	CSE170 PR1	Analysis and Design of Algorithms	25	15	10	-	-	2	1	50			
7		Practical	CSE280 PR1	Operating Systems	25	15	10	-	-	2	1	50			
8		Practical	CSE740 PR1	Elective-CSAI2	25	15	10	-	-	2	1	50			
9		Practical	MAT210 PR1	Elective-CSAI3	25	15	10	-	-	2	1	50			
10		Practical	MUC020 PR1	Quantitative Aptitude-II	50	40	10	-	-	4	2	100			
11															
12															
<b>Total</b>					<b>450</b>	<b>250</b>	<b>100</b>	<b>11</b>	<b>5</b>	<b>12</b>	<b>22</b>	<b>800</b>			
Prepared by(BOS Coordina				Verified By (HOD/BOS Chairperson)				Submitted by(Dean Academics)							
								Approved by(Vice Chancellor)							

Mandsaur University															
2023 Scheme of Examination															
Semester	IV	BTech	Computer Science & Engineering (Block Chain Technology)												
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1		Theory	CSE160 TR1	Theory of Computation	60	30	10	3	1	-	4	100	CSE870 T/PR1	CSE871 T/PR1	R for Data Science
2		Theory	CSE170 TR1	Analysis and Design of Algorithms	60	30	10	2	1	-	3	100		CSE872 T/PR1	Data Science using Python
3		Theory	CSE280 TR1	Operating Systems	60	30	10	2	1	-	3	100	CSE880 T/PR1	CSE881 T/PR1	Cryptography and Information Security
4		Theory	CSE870 TR1	Elective-CSBCT2	60	30	10	2	1	-	3	100		CSE882 T/PR1	Blockchain and Distributed Ledger Technology
5		Theory	CSE880 TR1	Elective-CSBCT3	60	30	10	2	1	-	3	100			
6		Practical	CSE170 PR1	Analysis and Design of Algorithms	25	15	10	-	-	2	1	50			
7		Practical	CSE280 PR1	Operating Systems	25	15	10	-	-	2	1	50			
8		Practical	CSE870 PR1	Elective-CSBCT2	25	15	10	-	-	2	1	50			
9		Practical	CSE880 PR1	Elective-CSBCT3	25	15	10	-	-	2	1	50			
10		Practical	MUC020 PR1	Quantitative Aptitude-II	50	40	10	-	-	4	2	100			
11															
12															
<b>Total</b>					450	250	100	11	5	12	22	800			
Prepared by (BOS Coordinator)			Verified By (HOD/BOS Chairperson)				Submitted by (Dean Academics)								
Approved by (Vice Chancellor)															

Mandsaur University															
2023 Scheme of Examination															
Semester	IV	BTech	Civil Engineering												
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1		Theory	CVE210 TR1	Structural Analysis-I	60	30	10	3	1	-	4	100	CVE770 T/PR1	CVE771 T/PR1	Fluid Mechanics
2		Theory	CVE200 TR1	Concrete Technology	60	30	10	2	1	-	3	100		CVE772 T/PR1	Architecture & Town Planning
3		Theory	CVE230 TR1	Construction Material And Techniques	60	30	10	2	1	-	3	100	CVE780 T/PR1	CVE781 T/PR1	Engineering Geology
4		Theory	CVE770 TR1	Elective-II	60	30	10	2	1	-	3	100		CVE782 T/PR1	Low Cost Construction Materials & Technique
5		Theory	CVE780 TR1	Elective-III	60	30	10	2	1	-	3	100			
6		Practical	CVE200 PR1	Concrete Technology	25	15	10	-	-	2	1	50			
7		Practical	CVE230 PR1	Construction Material And Techniques	25	15	10	-	-	2	1	50			
8		Practical	CVE770 PR1	Elective-II	25	15	10	-	-	2	1	50			
9		Practical	CVE780 PR1	Elective-III	25	15	10	-	-	2	1	50			
10		Practical	MUC020 PR1	Quantitative Aptitude-II	50	40	10	-	-	4	2	100			
11															
12															
<b>Total</b>					450	250	100	11	5	12	22	800			
Prepared by(BOS Coordina			Verified By (HOD/BOS Chairperson)					Submitted by(Dean Academics)							
								Approved by(Vice Chancellor)							



## Mandsaur University

### 2023 Scheme of Examination

<b>Semester</b>	<b>IV</b>	<b>BTech</b>	<b>Electrical and Electronics Engineering</b>
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1	PCC	Theory	EEE680 TR1	Electromagnetic Field and Theory	60	30	10	3	1	-	4	100	EEE580 T/PR1	EEE581 T/PR1	Digital Electronics & Logic Design
2	PCC	Theory	EEE270 TR1	Electrical Machine-II	60	30	10	2	1	-	3	100		EEE582 T/PR1	Electrical Installations
3	PCC	Theory	EEE280 TR1	Power System -I	60	30	10	2	1	-	3	100	EEE590 T/PR1	EEE591 T/PR1	Electrical & Electronics Instrumentation
4	PEC	Theory	EEE580 TR1	Elective-II	60	30	10	2	1	-	3	100		EEE592 T/PR1	Optoelectronics Device & Instrumentation
5	PEC	Theory	EEE590 TR1	Elective-III	60	30	10	2	1	-	3	100		EEE593 T/PR1	Database Management Systems
6	PCC	Practical	EEE270 PR1	Electrical Machine-II	25	15	10	-	-	2	1	50			
7	PCC	Practical	EEE280 PR1	Power System -I	25	15	10	-	-	2	1	50			
8	PEC	Practical	EEE580 PR1	Elective-II	25	15	10	-	-	2	1	50			
9	PEC	Practical	EEE590 PR1	Elective-III	25	15	10	-	-	2	1	50			
10	BSC	Practical	MUC020 PR1	Quantitative Aptitude-II	50	40	10	-	-	4	2	100			
11															
12															
<b>Total</b>					450	250	100	11	5	12	22	800			

Prepared by (BOS Coordinator)

Verified By (HOD/BOS Chairperson)

Submitted by (Dean Academics)

Approved by (Vice Chancellor)

Mandsaur University															
2023 Scheme of Examination															
Semester	IV	BTech	Mechanical Engineering (Robotics & Drone Technology)												
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1	PCC	Theory	MEC860 TR1	Engineering Materials and Applications	60	30	10	3	1	-	4	100	MEC830 TR1/PR1	MEC831 TR1/PR1	Mechatronics, Robotics & Control (Drone Assembling)
2	PCC	Theory	MEC870 TR1	Kinematics and Dynamics of Machines	60	30	10	2	1	-	3	100		MEC832 TR1/PR1	Computational Fluid Dynamics
3	PCC	Theory	MEC890 TR1	Machine Element & System Design	60	30	10	2	1	-	3	100	MEC900TR1/PR1	MEC 901 TR1/PR1	Modern Automotive Technology
4	PEC	Theory	MEC830 TR1	Elective -II	60	30	10	2	1	-	3	100		MEC902 TR1/PR1	Electric Vehicle Technology
5	PEC	Theory	MEC900 TR1	Elective -III	60	30	10	2	1	-	3	100			
6	PCC	Practical	MEC870 PR1	Kinematics and Dynamics of Machines	25	15	10	-	-	2	1	50			
7	PCC	Practical	MEC890 PR1	Machine Element & System Design	25	15	10	-	-	2	1	50			
8	PEC	Practical	MEC830 PR1	Elective -II	25	15	10	-	-	2	1	50			
9	PEC	Practical	MEC900 PR1	Elective -III	25	15	10	-	-	2	1	50			
10	BSC	Theory	MUC020 PR1	Quantitative Aptitude-II	50	40	10	-	-	4	2	100			
11															
12															
<b>Total</b>					450	250	100	11	5	12	22	800			
red by(BOS Coordin			Verified By (HOD/BOS Chairperson)				Submitted by(Dean Academics)								
												Approved by(Vice Chancellor)			

# Mandsaur University

## 2023 Scheme of Examination

Semester	IV	MTech	Computer Science & Engineering
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)
1		Practical	CSE750	Dissertation Part- II	400	-	250
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
<b>Total</b>					400	0	250

Prepared by (BOS Coordinator)

Verified By (HOD/BOS Chairperson)




Hours/Week			Credits	Total Marks
L	T	P		
-	-	36	18	650
0	0	36	18	650

Submitted by(Dean Academics)

Approved by(Vice Chancellor)

<b>Mandsaur University</b>			
<b>2023 Scheme of Examination</b>			
<b>Semester</b>	<b>IV</b>	<b>MTech</b>	<b>Energy Technology</b>

S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P		
1		Practical	EEE350 PR1	Dissertation Part-II	400	-	250	-	-	36	18	650
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
<b>Total</b>					400	0	250	0	0	36	18	650

Prepared by (BOS Coordinator)

Verified By (HOD/BOS Chairperson)

Submitted by (Dean Academics)

Approved by (Vice Chancellor)

# Mandsaur University

## 2023 Scheme of Examination

Semester IV MTech IEM

S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P		
1		Practical	MEC470 P	Dissertation Part-II	400	-	250	-	-	22	22	650
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
<b>Total</b>					400	0	250	0	0	22	22	650
red by(BOS Coordinat		Verified By (HOD/BOS Chairperson)				Submitted by(Dean Academics)				Approved by(Vice Chancellor)		

# Mandsaur University

## 2023 Scheme of Examination

<b>Semester</b>	<b>IV</b>	<b>Diploma</b>	<b>Electrical Engineering</b>
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P		
1		Theory	ELE080 TR1	Communication Engineering	60	30	10	3	1	-	4	100
2		Theory	ELE090 TR1	Electrical Machine- II	60	30	10	2	1	-	3	100
3		Theory	ELE100 TR1	Power Plant Engineering	60	30	10	2	1	-	3	100
4		Theory	ELE110 TR1	Electrical & Electronics Measurement & Measuring Instruments	60	30	10	2	1	-	3	100
5		Theory	ELE120 TR1	Electrical Engineering Drawing	60	30	10	2	1	-	3	100
6		Practical	ELE090 PR1	Electrical Machine- II	25	15	10	-	-	2	1	50
7		Practical	ELE100 PR1	Power Plant Engineering	25	15	10	-	-	2	1	50
8		Practical	ELE110 PR1	Electrical & Electronics Measurement & Measuring Instruments	25	15	10	-	-	2	1	50
9		Practical	ELE120 PR1	Electrical Engineering Drawing	25	15	10	-	-	2	1	50
10		Practical	ELE130 PR1	Electrical Wiring & Winding	50	40	10	-	-	4	2	100
11												
12												
<b>Total</b>					450	250	100	11	5	12	22	800

Prepared by (BOS Coordinator)

Verified By (HOD/BOS Chairperson)

Submitted by (Dean Academics)

Approved by (Vice Chancellor)

Mandsaur University															
2023 Scheme of Examination															
Semester		IV		Diploma		Mechanical Engineering									
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1		Theory	MEC380 TR1	Production Engineering	60	30	10	3	1	-	4	100			
2		Theory	MEC390 TR1	Mechanism of Machines	60	30	10	2	1	-	3	100			
3		Theory	MEC400 TR1	Applied Thermodynamics	60	30	10	2	1	-	3	100			
4		Theory	MEC410 TR1	Fluid Mechanics and Hydraulic Machines	60	30	10	2	1	-	3	100			
5		Theory	ELE140 TR1	Basic Electrical and Electronics Engineering	60	30	10	2	1	-	3	100			
6		Practical	MEC390 PR1	Mechanism of Machines	25	15	10	-	-	2	1	50			
7		Practical	MEC400 PR1	Applied Thermodynamics	25	15	10	-	-	2	1	50			
8		Practical	MEC410 PR1	Fluid Mechanics and Hydraulic Machines	25	15	10	-	-	2	1	50			
9		Practical	ELE140 PR1	Basic Electrical and Electronics Engineering	25	15	10	-	-	2	1	50			
10		Practical	MEC420 PR1	CAD Practices	50	40	10	-	-	4	2	100			
11															
12															
<b>Total</b>					450	250	100	11	5	12	22	800			
Prepared by(BOS Coordinator)		Verified By (HOD/BOS Chairperson)				Submitted by(Dean Academics)									
						Approved by(Vice Chancellor)									

# Mandsaur University

## 2023 Scheme of Examination

Semester	IV	BCA	Plain
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P		
1	Major Core	Theory	S2-BCAA2T	Database Management Systems Using PL/SQL	60	30	10	4	-	-	4	100
2	Minor Core	Theory	S2-COAP2T	Introduction to ASP.NET & C#	60	30	10	4	-	-	4	100
3	Generic elective	Theory	S2-BCAC1G	Internet of Things (IOTs)	60	30	10	3	-	-	3	100
4	Skill Enhancement Course	Theory	S2-BCAD1G	E-Commerce	60	30	10	4	-	-	4	100
5	Minor Core	Practical	S2-BCAA2P	DBMS Using PL/SQL Lab	50	40	10	-	-	4	2	100
6	Generic elective	Practical	S2-COAP2P	Introduction to ASP.NET & C# (Practical)	50	40	10	-	-	4	2	100
7	Skill Enhancement Course	Practical	S2-BCAC1R	Internet of Things( IOTs) Lab	25	15	10	-	-	2	1	50
8	Skill Enhancement Course	Practical	BCA320 P	Client Side Scripting Lab	50	40	10	-	-	4	2	100
9												
10												
11												
12												
<b>Total</b>					415	255	80	15	0	14	22	750

repared by(BOS Coordinator)

Verified By (HOD/BOS Chairperson)

Submitted by(Dean Academics)

Approved by(Vice Chancellor)

## Mandsaur University

### 2023 Scheme of Examination

Semester	IV	BCA	Cloud Computing
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1	Major Core	Theory	BCC120 TR1	IT Infrastructure and Data Center	60	30	10	3	0	0	3	100			
2	Major Core	Theory	BCC130 TR1	Principles of Virtualization	60	30	10	3	0	0	3	100			
3	Skill Enhancement C	Theory	BCC140 TR1	Introduction to Python	60	30	10	3	1	0	4	100			
4	Minor Core	Theory	BCC150 TR1	Cloud Computing Applications - II	60	30	10	3	1	0	4	100			
5	Skill Enhancement C	Practical	BCC140 PR1	Introduction to Python	50	40	10	0	0	4	2	100			
6	Minor Core	Practical	BCC150 PR1	Cloud Computing Applications - II	50	40	10	0	0	4	2	100			
7	Skill Enhancement C	Practical	BCC160 PR1	Server Operating System - II	50	40	10	0	0	8	4	100			
8															
9															
10															
11															
12															
<b>Total</b>					390	240	70	12	2	16	22	700			

Prepared by (BOS Coordinator)

Verified By (HOD/BOS Chairperson)

Submitted by (Dean Academics)

Approved by (Vice Chancellor)

## Mandsaur University

### 2023 Scheme of Examination

Semester	IV	BCA	SACS
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1	Major Core	Theory	SACS120 TR1	Cyber Crime & Law	60	30	10	3	-	-	3	100			
2	Minor Core	Theory	SACS130 TR1	Principles of Virtualization	60	30	10	3	-	-	3	100			
3	Skill Enhancement C	Theory	SACS140 TR1	Introduction to Python	60	30	10	3	1	0	4	100			
4	Major Core	Theory	SACS150 TR1	Web App Pentesting	60	30	10	3	1	0	4	100			
5	Skill Enhancement C	Practical	SACS140 PR1	Introduction to Python	50	40	10	0	0	4	2	100			
6	Major Core	Practical	SACS150 PR1	Web App Pentesting	50	40	10	0	0	4	2	100			
7	Skill Enhancement C	Practical	SACS160 PR1	Server Operating System - II	50	40	10	-	-	8	4	100			
8															
9															
10															
11															
12															
<b>Total</b>					<b>390</b>	<b>240</b>	<b>70</b>	<b>12</b>	<b>2</b>	<b>16</b>	<b>22</b>	<b>700</b>			

prepared by(BOS Coordinator)

Verified By (HOD/BOS Chairperson)

Submitted by(Dean Academics)

Approved by(Vice Chancellor)



## Mandsaur University

### 2023 Scheme of Examination

Semester	IV	MCA	
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1		Practical	MCA220 PR1	Major Project	300	-	300	0	0	36	18	650			
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
<b>Total</b>					300	0	300	0	0	36	18	650			

Prepared by (BOS Coordinator)

Verified By (HOD/BOS Chairperson)

Submitted by (Dean Academics)

Approved by (Vice Chancellor)

<b>Mandsaur University</b>															
<b>2023 Scheme of Examination</b>															
Semester	IV	BA	Fashion Design												
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1	Major	Theory	A2-FASH1 T	Product Development-II	60	30	10	2	-	-	2	100			
2	Minor	Theory	A2-BECO2 G	Entrepreneurship and Family Business	60	30	10	6	-	-	6	100			
3	Generic Elective	Theory	H2-HSCB2 T	Interior Decoration	60	30	10	4	-	-	4	100			
4	Skill Enhancement course	Theory	V2-COM- DIGT T	E-commerce	60	30	10	2	-	-	2	100			
5	Major	Practical	A2-FASH1 PR1	Design and Product Development-II	50	40	10	-	-	8	4	100			
6	Skill Enhancement course	Practical	V2-COM- DIGT PR1	E-commerce	50	40	10	-	-	4	2	100			
7															
8															
9															
10															
11															
12															
<b>Total</b>					340	200	60	14	0	12	20	600			
Prepared by(BOS Coordinator)			Verified By (HOD/BOS Chairperson)						Submitted by(Dean Academics)						
Approved by(Vice Chancellor)															

Mandsaur University															
2023 Scheme of Examination															
Semester	IV	BA	Tourism and Hospitality												
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information		
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name
1	Major Core	Theory	M2-TOUA1T	Global Tourism Geography (Paper-I)	60	30	10	6	-	-	6	100			
2	Minor Core	Theory	M2-HOTA2T	Foundation Course in Food & Beverage - II	60	30	10	4	-	-	4	100			
3	Minor Core	Practical	M2-HOTA2P	Foundation Course in Food & Beverage - II	50	40	10	-	-	4	2	100			
4	Generic Elective	Theory	A2-BECO2G	Entrepreneurship & Family Business	60	30	10	4	-	-	4	100			
5	Skill Enhancement C	Theory	V2-PSY-DEVT	Personality development	30	10	10	2	-	-	2	50			
6	Skill Enhancement C	Practical	V2-PSY-DEVT	Personality development	50	40	10	-	-	4	2	100			
7															
8															
9															
10															
11															
12															
<b>Total</b>					<b>310</b>	<b>180</b>	<b>60</b>	<b>16</b>	<b>0</b>	<b>8</b>	<b>20</b>	<b>550</b>			
Prepared by (BOS Coordinator)			Verified By (HOD/BOS Chairperson)						Submitted by (Dean Academics)						
									Approved by (Vice Chancellor)						

# Mandsaur University

## 2023 Scheme of Examination

**Semester IV      BA      Journalism and Mass Communication**

S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P		
1	Major	<b>Theory</b>	A2-JOUA2 T	Corporate Communications	60	30	10	6	-	-	6	100
2	Minor	<b>Theory</b>	A2-JOUC1 T	Photo Journalism	60	30	10	6	-	-	6	100
3	Generic Elective	<b>Theory</b>	A2-JOUC2 T	Rural Journalism	60	30	10	4	-	-	4	100
4	Skill Enhancement Course	<b>Theory</b>	V2-COS- WEB T	Web development using PHP & MySQL	60	30	10	2	-	-	2	100
5	Skill Enhancement Course	<b>Practical</b>	V2-COS- WEB PR1	Web development using PHP & MySQL	50	40	10	-	-	4	2	100
6												
7												
8												
9												
10												
11												
12												
<b>Total</b>					290	160	50	18	0	4	20	500
Prepared by (BOS Coordinator)				Verified By (HOD/BOS Chairperson)				Submitted by (Dean Academics)				
								Approved by (Vice Chancellor)				

**Mandsaur University****2023 Scheme of Examination**

<b>Semester</b>	<b>IV</b>	<b>MA</b>	<b>Journalism and Mass Communication</b>
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum
					End Sem Test (EST)
1		Practical	MJM340 P	Project Audio and Video Production	60
2		Practical	MJM230 P	Dissertation / Research work	300
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
<b>Total</b>					<b>360</b>

Prepared by (BOS Coordinator)

Verified By (HOD/BOS Chairperson)

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Exam Marks Allotted		Hours/Week			Credits	Total Marks
Mid Sem Test (MST)	(CET)	L	T	P		
-	40	-	-	8	4	100
-	100	-	-	24	12	400
0	140	0	0	32	16	500

Submitted by(Dean Academics)

Approved by(Vice Chancellor)

Mandsaur University																
2023 Scheme of Examination																
Semester		IV		BBA												
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information			
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name	
1	Major 4	Theory	M2-BBAB1T	Marketing Management	60	30	10	6	-	-	6	100				
2	Minor 4	Theory	M2-BBAB2T	Marketing Research	60	30	10	6	-	-	6	100				
3	Generic Elective 4	Theory	C2-COMA2G	New Venture Planning	60	30	10	4	-	-	4	100				
4	SEC 2	Theory	V1-COM-DIGT	Digital Marketing	60	30	10	4	-	-	4	100				
5	Additional Courses	Practical	COM270 PR1	Fundamentals of Banking Operations	50	40	10	-	-	4	2	100				
6																
7																
8																
9																
10																
11																
12																
<b>Total</b>					290	160	50	20	0	4	22	500				
Prepared by(BOS Coordinator)		Verified By (HOD/BOS Chairperson)													Submitted by(Dean Academics)	
															Approved by(Vice Chancellor)	

Mandsaur University																
2023 Scheme of Examination																
Semester		IV		BCom												
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information			
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P			Base Code	Elective Subject Code	Elective Subject Name	
1	Major 4	Theory	C2-COMA2T	Cost Accounting	60	30	10	6	-	-	6	100				
2	Minor 4	Theory	C2-COMC2T	Corporate Law	60	30	10	6	-	-	6	100				
3	Generic Elective 4	Theory	M2-ASPM2T	Personal Selling and Salesmanship	60	30	10	4	-	-	4	100				
4	SEC 2	Theory	V1-COM-DIGT	Digital Marketing	60	30	10	4	-	-	4	100				
5	Additional Courses	Practical	COM270 PR1	Fundamentals of Banking Operations	50	40	10	-	-	4	2	100				
6																
7																
8																
9																
10																
11																
12																
<b>Total</b>					290	160	50	20	0	4	22	500				
Prepared by(BOS Coordinator)					Verified By (HOD/BOS Chairperson)						Submitted by(Dean Academics)					
											Approved by(Vice Chancellor)					



Mandsaur University																		
2023 Scheme of Examination																		
Semester	IV	MBA																
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks						
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P								
1		Theory	MGTS4-1	Specialization (Major)(1/2/3/4/5) Elective - I	60	30	10	4	-	-	4	100						
2		Theory	MGTS4-2	Specialization (Major)(1/2/3/4/5) Elective - II	60	30	10	4	-	-	4	100						
3		Theory	MGTS4-3	Specialization (Major)(1/2/3/4/5) Elective -III	60	30	10	4	-	-	4	100						
4		Theory	MGTS4-4	Specialization (Minor) (1/2/3/4/5) Elective - I	60	30	10	4	-	-	4	100						
5		Theory	MGTS4-5	Specialization (Minor)(1/2/3/4/5) Elective - II	60	30	10	4	-	-	4	100						
6																		
7																		
8																		
9																		
10																		
11																		
12																		
<b>Total</b>					<b>300</b>	<b>150</b>	<b>50</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>500</b>						
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">Prepared by(BOS Coordinator)</td> <td style="width: 33%; text-align: center;">Verified By (HOD/BOS Chairperson)</td> <td style="width: 33%; text-align: right;">Submitted by(Dean Academics)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">Approved by(Vice Chancellor)</td> </tr> </table>													Prepared by(BOS Coordinator)	Verified By (HOD/BOS Chairperson)	Submitted by(Dean Academics)			Approved by(Vice Chancellor)
Prepared by(BOS Coordinator)	Verified By (HOD/BOS Chairperson)	Submitted by(Dean Academics)																
		Approved by(Vice Chancellor)																

Finance Specialization (Major)		Finance Specialization (Minor)	
MGT252	Corporate Tax Planning & Management	Not Applicable For Finance Minor Students	
MGT257	Financial Derivatives and Risk Analysis	MGT257	Financial Derivatives and Risk Analysis
MGT263	Securities Market Operations	MGT263	Securities Market Operations
HR Specialization (Major)		HR Specialization (Minor)	
MGT253	International HRM	Not Applicable For HR Minor Students	
MGT261	Performance Management & Appraisal	MGT261	Performance Management & Appraisal
MGT262	Compensation & Benefits Management	MGT262	Compensation & Benefits Management
Marketing Specialization (Major)		Marketing Specialization (Minor)	
MGT255	Product & Brand Management	MGT255	Product & Brand Management
MGT256	Advertisement & Media Management	MGT256	Advertisement & Media Management
MGT259	Marketing of Services	Not Applicable For Marketing Minor Students	
International Business (Major)		International Business (Minor)	
MGT271	International Business Finance	MGT271	International Business Finance
MGT272	International Trade Logistics	MGT272	International Trade Logistics
MGT273	International Supply Chain Ma	Not Applicable for IB Minor Students	
Digital Marketing (Major)		Digital Marketing (Minor)	
MGT274	Social Media Marketing	MGT274	Social Media Marketing
MGT275	Content Marketing	MGT275	Content Marketing
MGT276	Social and Web Analytics	Not Applicable for DM Minor Students	

# Mandsaur University

## 2023 Scheme of Examination

Semester	IV	BEd	
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted		
					End Sem Test (EST)	Internal	(CET)
1		Theory	PE6 T	Gender, School and Society	60	-	40
2		Theory	PE8 T	Knowledge and Curriculum	60	-	40
3		Theory	PE10 T	Creating an Inclusive School	60	-	40
4		Theory	CPS11a-	Optional Course	60	-	40
5		Practical	EPC4 P	Critical Understanding of ICT	50	-	50
6							
7							
8							
9							
10							
11							
12							
<b>Total</b>					290	0	210

Prepared by (BOS Coordinator)

Verified By (HOD/BOS Chairperson)


Hours/Week			Credits	Total Marks	Elective Information		
L	T	P			Base Code	Elective Subject Code	Elective Subject Name
4	-	--	4	100	CPS 11a-	CPS 11a-01	Environmental Education
4	-	-	4	100		CPS 11a-02	Guidance and Counselling
4	-	-	4	100		CPS 11a-03	Teacher Education
4	-	-	4	100		CPS 11a-04	Vocational / Work Education
-	-	8	4	100			
16	0	8	20	500			

Submitted by(Dean Academics)

Approved by(Vice Chancellor)

# Mandsaur University

## 2023 Scheme of Examination

	Semester	IV	MA	Education
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks
					End Sem Test (EST)	Internal	(CET)	L	T	P		
1		Theory	MAEdu-401	Life long Education	60	-	40	4	-	0	4	100
2		Theory	MAEdu-402	Higher Education in india	60	-	40	4	0	0	4	100
3		Theory	MAEdu-403	Educational Technology	60	-	40	4	0	0	4	100
4		Theory	MAEdu-404	Human Rights Education	60	-	40	4	0	0	4	100
5		Practical	MAEdu-405	Dissertation	50	-	50	0	0	8	4	100
6		Practical	MAEdu-406	Comprehensive Viva- Voce	50	-	-	0	0	4	2	50
7												
8												
9												
<b>Total</b>					340	0	210	16	0	12	22	550

Prepared by(BOS Coordinator)

Verified By (HOD/BOS Chairperson)

Submitted by(Dean Academics)

Approved by(Vice Chancellor)

Mandsaur University																
2023 Scheme of Examination																
Semester		IV		BPEd												
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks	Elective Information			
					End Sem Test (EST)	-	Internal MArks	L	T	P			Base Code	Elective Subject Code	Elective Subject Name	
1		Theory	CC-401 T	Measurement and Evaluation in Physical Education	70	-	30	4	-	-	4	100		EC-401 T	Theory of Sports and Games	
2		Theory	CC-402 T	Kinesiology and Biomechanics	70	-	30	4	-	-	4	100		EC-402 T	Sports Mangement	
3		Theory	CC-403 T	Research and Statistics in Physical Education	70	-	30	4	-	-	4	100				
4		Theory	EC-401/402	Elective Subject (Any One)	70	-	30	4	-	-	4	100				
5		Practical	PC-401 P	Track and Field	70	-	30	-	-	6	4	100				
6		Practical	PC-402 P	Kabaddi/Kho- kho/football/Hockey/volleyball/handball/basketb	70	-	30	-	-	6	4	100				
7		Practical	TP-401 P	Sports Specialization: Coaching Lessons Plan (One for Sports 5 lessons)	70	-	30	-	-	6	4	100				
8		Practical	TP-402 P	Games Specialization: Coaching Lessons Plan (One for Games 5 lessons)	70	-	30	-	-	6	4	100				
9																
10																
11																
12																
<b>Total</b>					560	0	240	16	0	24	32	800				
ared by(BOS Coordinat		Verified By (HOD/BOS Chairperson)													Submitted by(Dean Academics)	
Approved by(Vice Chancellor)																

# Mandsaur University

## 2023 Scheme of Examination

<b>Semester</b>	<b>IV</b>	<b>BSc</b>	<b>Biotechnology</b>
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P		
1	Major Core	Theory	S2-BTE C2 T	Recombinant DNA Technology	60	30	10	4	-	-	4	100
2	Minor Core	Theory	S2-BCHE1T	Clinical Biochemistry	60	30	10	4	-	-	4	100
3	Generic elective	Theory	H2-HSCA1G	Food Product development	60	30	10	4	-	-	4	100
4	Skill Enhancement	Theory	V1-FOO-FPPT	Food preservation and Processing	60	30	10	4	-	-	4	100
5	Major Core	Practical	S2-BTEC2P PR1	Lab work for Recombinant DNA Technology	50	40	10	-	-	4	2	100
6	Additional Courses	Practical	S2-BCHE1P PR1	Clinical Investigation	50	40	10	-	-	4	2	100
7	Minor Core	Practical	S2INMB2P PR1	Exercises in Biochemistry and Physiology of Microbes	50	40	10	-	-	4	2	100
8												
9												
10												
11												
12												
<b>Total</b>					<b>390</b>	<b>120</b>	<b>40</b>	<b>16</b>	<b>0</b>	<b>12</b>	<b>22</b>	<b>700</b>

prepared by(BOS Coordinator)

Verified By (HOD/BOS Chairperson)

Submitted by(Dean Academics)

Approved by(Vice Chancellor)

# Mandsaur University

## 2023 Scheme of Examination

<b>Semester</b>	<b>IV</b>	<b>BSc</b>	<b>Microbiology</b>
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P		
1	Major Core	Theory	S2-MBIO2T	Microbial diversity and growth	60	30	10	4	-	-	4	100
2	Minor Core	Theory	S2INMB2T	Physiology and Biochemistry of Microbes	60	30	10	4	-	-	4	100
3	Generic elective	Theory	H2-HSCA1G	Food Product development	60	30	10	4	-	-	4	100
4	Skill Enhancement	Theory	V1-FOO- FPPT	Food preservation and Processing	60	30	10	4	-	-	4	100
5	Major Core	Practical	S2-MBIO2P PR1	Isolation and growth study of microorganisms	50	40	10	-	-	4	2	100
6	Minor Core	Practical	S2INMB2P PR1	Exercises in Biochemistry and Physiology of Microbes	50	40	10	-	-	4	2	100
7	Additional Courses	Practical	S2-BCHE1P PR1	Clinical Investigation	60	30	10	-	-	4	2	100
8												
9												
10												
11												
12												
<b>Total</b>					<b>400</b>	<b>120</b>	<b>40</b>	<b>16</b>	<b>0</b>	<b>12</b>	<b>22</b>	<b>700</b>

repared by(BOS Coordinator)

Verified By (HOD/BOS Chairperson)

Submitted by(Dean Academics)

Approved by(Vice Chancellor)

# Mandsaur University

## 2023 Scheme of Examination

<b>Semester</b>	<b>IV</b>	<b>BSc</b>	<b>Forensic Science</b>
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P		
1	Major Core	Theory	FSC150 TR1	Digital Forensics And Cyber Crime	30	10	10	2	-	-	2	50
2	Major Core	Theory	FSC160 TR1	Forensic Toxicology	30	10	10	2	-	-	2	50
3	Major Core	Theory	FSC170 TR1	Analytical Chemistry	30	10	10	2	-	-	2	50
4	Minor Core	Theory	FSC180 TR1	Basic Chemistry	30	10	10	2	-	-	2	50
5	Minor Core	Theory	FSC190 T	Basic Physics	60	30	10	3	-	-	3	100
6	Generic Elective	Theory	FSC200 T	Basic Biology	60	30	10	3	-	-	3	100
7	Major Core	Practical	FSC150 PR1	Digital Forensics And Cyber Crime	50	40	10	-	-	4	2	100
8	Major Core	Practical	FSC160 PR1	Forensic Toxicology	50	40	10	-	-	4	2	100
9	Minor Core	Practical	FSC180 PR1	Basic Chemistry	50	40	10	-	-	4	2	100
10	Minor Core	Practical	FSC190 PR1	Basic Physics	50	40	10	-	-	4	2	100
11	Generic Elective	Practical	FSC200 PR1	Basic Biology	50	40	10	-	-	4	2	100
12												
<b>Total</b>					<b>490</b>	<b>40</b>	<b>40</b>	<b>14</b>	<b>0</b>	<b>20</b>	<b>24</b>	<b>900</b>

pared by(BOS Coordinatc

Verified By (HOD/BOS Chairperson)

Submitted by(Dean Academics)

Approved by(Vice Chancellor)



<b>Mandsaur University</b>												
<b>2023 Scheme of Examination</b>												
Semester	IV	MSc	Biotechnology									
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P		
1		Practical	24MLSB190 P	Dissertation & Viva Voce	450	-	200	-	-	40	20	650
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
<b>Total</b>					450	0	200	0	0	40	20	650
Prepared by (BOS Coordinator)		Verified By (HOD/BOS Chairperson)			Submitted by (Dean Academics)							
					Approved by (Vice Chancellor)							

<b>Mandsaur University</b>												
<b>2023 Scheme of Examination</b>												
Semester	IV	MSc	Microbiology									
S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks Allotted			Hours/Week			Credits	Total Marks
					End Sem Test (EST)	Mid Sem Test (MST)	(CET)	L	T	P		
1		Practical	24MLSM1 90 P	Dissertation & Viva Voce	450	-	200	-	-	40	20	650
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
<b>Total</b>					450	0	200	0	0	40	20	650
Prepared by (BOS Coordinator)				Verified By (HOD/BOS Chairperson)				Submitted by (Dean Academics)				
												Approved by (Vice Chancellor)

**Mandsaur University****2023 Scheme of Examination**

<b>Semester</b>	<b>IV</b>	<b>BPharm</b>	
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum Marks /	
					End Sem Test (EST)	Mid Sem Test (MST)
1		Theory	BP101T	Human Anatomy and Physiology I	75	15
2		Theory	BP102T	Pharmaceutical Analysis I	75	15
3		Theory	BP103T	Pharmaceutics I	75	15
4		Theory	BP104T	Pharmaceutical Inorganic Chemistry	75	15
5		Theory	BP105T	Communication skills*	35	10
6		Theory	BP106RBT B	Remedial Biology/ Mathematics*	35	10
7		Practical	BP107P	Human Anatomy and Physiology I	35	10
8		Practical	BP108P	Pharmaceutical Analysis I	35	10
9		Practical	BP109P	Pharmaceutics I	35	10
10		Practical	BP110P	Pharmaceutical Inorganic Chemistry	35	10
11		Practical	BP111P	Communication skills*	15	5
12		Practical	BP112RBP	Remedial Biology*	15	5
<b>Total</b>					<b>540</b>	<b>130</b>

# As per PCI Norms ; \* Non University Examination (NUE); T: Theory, P: Practical; Remedial Biology- Applicable for students studied Math

Prepared by (BOS Coordinator)

Verified By (HOD/BOS Chairperson)


Allotted (CET)	Hours/Week			Credits	Total Marks	Duration (Hrs)		Elective Inf	
	L	T	P			End Sem. Test (EST)	Mid Sem. Test (MST)	Base Code	Elective Subject Code
10	3	1	0	4	100	3	1		
10	3	1	0	4	100	3	1		
10	3	1	0	4	100	3	1		
10	3	1	0	4	100	3	1		
5	2	0	0	2	50	1.5	1		
5	2	0	0	2	50	1.5	1		
5	0	0	4	2	50	4	4		
5	0	0	4	2	50	4	4		
5	0	0	4	2	50	4	4		
5	0	0	4	2	50	4	4		
5	0	0	2	1	25	2	2		
5	0	0	2	1	25	2	2		
80	16	4	20	30	750				

ematics at HSC; Remedial Mathematics Applicable for students studied Biology

**Submitted by(Dean Academics)**

**Approved by(Vice Chancellor)**



**Mandsaur University****2023 Scheme of Examination**

<b>Semester</b>	<b>IV</b>	<b>MPharm</b>	<b>Pharmaceutics</b>
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S. No.	Category	Theory/ Practical	Subject Code	Subject Name	Maximum
					End Sem Test (EST)
1		<b>Theory</b>	MPH101T	Modern Pharmaceutical Analytical Techniques	75
2		<b>Theory</b>	MPH102T	Drug Delivery System	75
3		<b>Theory</b>	MPH103T	Modern Pharmaceutics	75
4		<b>Theory</b>	MPH104T	Regulatory Affair	75
5		<b>Practical</b>	MPH105P	Pharmaceutics Practical I	100
6		<b>Practical</b>	MPH106S	Seminar/Assignments	-
7					
8					
9					
10					
11					
12					
<b>Total</b>					<b>400</b>

Prepared by (BOS Coordinator)

Verified By (HOD/BOS Chairperson)

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Max Marks Allotted		Hours/Week			Credits	Total Marks	Duration (Hrs)		Elective I	
Mid Sem Test (MST)	(CET)	L	T	P			End Sem. Test (EST)	Mid Sem. Test (MST)	Base Code	Elective Subject Code
15	10	4	0	0	4	100	3	1		
15	10	4	0	0	4	100	3	1		
15	10	4	0	0	4	100	3	1		
15	10	4	0	0	4	100	3	1		
30	20	0	0	12	6	150	6	6		
-	100	0	0	7	4	100	-	-		
90	160	16	0	19	26	650				

Submitted by(Dean Academics)

Approved by(Vice Chancellor)

