

Jabalpur Engineering College, Jabalpur

Semester VII Credit Based Grading System (CBGS) w.e.f. July 2018

Scheme of Examination

Bachelor of Engineering B.E. (Civil Engineering)

Subject Wise Distribution of Marks and Corresponding Credits

Scheme of Examination w.e.f. July 2018 Academic Session 2018-19

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours/Week			Total Credits	Total Marks	
			Theory			Practical		Total Marks	L	T			P
			End. Sem.	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work						
1	CE7001	Environmental Engg.-II	70	20	10	30	20	150	3	1	2	6	
2	CE7002	Structural Design & Drawing-III (RCC)	70	20	10	30	20	150	3	1	2	6	
3	CE7003	Transportation Engg.-II	70	20	10	30	20	150	3	1	2	6	
4	CE7004	Elective-III	70	20	10	-	-	100	3	1	-	4	
5	CE7005	Elective-IV	70	20	10	-	-	100	3	1	-	4	
6	CE7006	Project-I	-	-	-	60	40	100	-	-	4	4	
7	CE7007	Industrial Training (Two Weeks)	-	-	-	30	20	50	-	-	2	2	
Total			350	100	50	180	120	800	15	5	12	32	800

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

L: Lecture

T: Tutorial

P: Practical

Department Elective-II (Four Subjects)			Department Elective-IV (Four Subjects)		
S.No.	Subject Code	Subject Name	Subject Code	Subject Name	
1	CE7004A	Project Management	CE7005A	Traffic Engineering	
2	CE7004B	Industrial Waste Treatment	CE7005B	Computational Methods in Structural Engineering	
3	CE7004C	Advanced Foundation Design	CE7005C	Earthquake Engineering	
4	CE7004D	Bridge Engineering	CE7005D	Environmental Impact Assessment	

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Semester VII Credit Based Grading System (CBGS) w.e.f. July 2018

Scheme of Examination

Bachelor of Engineering B.E. (Mechanical Engineering)

Subject Wise Distribution of Marks and Corresponding Credits

Scheme of Examination w.e.f. July 2018 Academic Session 2018-19

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours/Week			Total Credits	Total Marks	
			Theory			Practical		Total Marks	L	T			P
			End. Sem.	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work						
1	ME7001	Refrigeration & Air Conditioning	70	20	10	30	20	150	3	1	2	6	
2	ME7002	Vibration & Noise Control	70	20	10	30	20	150	3	1	2	6	
3	ME7003	OR & Supply Chain	70	20	10	30	20	150	3	1	2	6	
4	ME7004	Elective-III	70	20	10	-	-	100	3	1	-	4	
5	ME7005	Elective-IV	70	20	10	-	-	100	3	1	-	4	
6	ME7006	Project-I	-	-	-	60	40	100	-	-	4	4	
7	ME7007	Industrial Training (Two Weeks)	-	-	-	30	20	50	-	-	2	2	
Total			350	100	50	180	120	800	15	5	12	32	800

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

L: Lecture

T: Tutorial

P: Practical

Department Elective-III (Three Subjects)			Department Elective-IV (Three Subjects)		
S.No.	Subject Code	Subject Name	Subject Code	Subject Name	
1	ME7004A	Industrial Robotics	ME7005A	Renewable Energy	
2	ME7004B	Computer Aided Engineering & FEM	ME7005B	Design of Heat Exchanger	
3	ME7004C	Finite Element Analysis	ME7005C	Gas Dynamics & Jet Propulsion	

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Jabalpur Engineering College, Jabalpur

Semester VII Credit Based Grading System (CBGS) w.e.f. July 2018

Scheme of Examination

Bachelor of Engineering B.E. (Electrical Engineering)

Subject Wise Distribution of Marks and Corresponding Credits

Scheme of Examination w.e.f. July 2018 Academic Session 2018-19

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours/Week				Total Credits	Total Marks
			Theory			Practical		Total Marks	L	T	P		
			End. Sem.	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work						
1	EE7001	High Voltage Engineering	70	20	10	30	20	150	3	1	2	6	
2	EE7002	Electrical Drive	70	20	10	30	20	150	3	1	2	6	
3	EE7003	Power System Control	70	20	10	30	20	150	3	1	2	6	
4	EE7004	Elective-III	70	20	10	-	-	100	3	1	-	4	
5	EE7005	Elective-IV	70	20	10	-	-	100	3	1	-	4	
6	EE7006	Project-I	-	-	-	60	40	100	-	-	4	4	
7	EE7007	Industrial Training (Two Weeks)	-	-	-	30	20	50	-	-	2	2	
Total			350	100	50	180	120	800	15	5	12	32	800

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

L: Lecture

T: Tutorial

P: Practical

Department Elective-III (Three Subjects)			Department Elective-IV (Three Subjects)		
S.No.	Subject Code	Subject Name	Subject Code	Subject Name	
1	EE7004A	Power System Planning & Reliability	EE7005A	Generalized Theory of Electrical Machines	
2	EE7004B	Soft Computing Techniques	EE7005B	Digital Control System	
3	EE7004C	Advance Digital Communication	EE7005C	Advanced Industrial Electronics	

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Semester VII Credit Based Grading System (CBGS) w.e.f. July 2018

Scheme of Examination

Bachelor of Engineering B.E. (Electronics & Telecommunication Engineering)

Subject Wise Distribution of Marks and Corresponding Credits

Scheme of Examination w.e.f. July 2018 Academic Session 2018-19

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours/Week				Total Credits	Total Marks
			Theory			Practical		Total Marks	L	T	P		
			End. Sem.	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work						
1	EC7001	TV and Digital Display	70	20	10	30	20	150	3	1	2	6	
2	EC7002	Optical Communication	70	20	10	30	20	150	3	1	2	6	
3	EC7003	Radar and Advanced Antenna	70	20	10	30	20	150	3	1	2	6	
4	EC7004	Elective-III	70	20	10	-	-	100	3	1	-	4	
5	EC7005	Elective-IV	70	20	10	-	-	100	3	1	-	4	
6	EC7006	Project-I	-	-	-	60	40	100	-	-	4	4	
7	EC7007	Industrial Training (Two Weeks)	-	-	-	30	20	50	-	-	2	2	
Total			350	100	50	180	120	800	15	5	12	32	800

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

L: Lecture

T: Tutorial

P: Practical

Department Elective-III (Four Subjects)			Department Elective-IV (Four Subjects)		
S.No.	Subject Code	Subject Name	Subject Code	Subject Name	Subject Name
1	EC7004A	Information Theory and Coding	EC7005A	Wireless & Mobile Communication	
2	EC7004B	Fuzzy Logic & Neural Network	EC7005B	Artificial Intelligence	
3	EC7004C	Sensor Technology	EC7005C	RF Packaging & EM Compatibility	
4	EC7004D	Marketing Management	EC7005D	Digital Image Processing	

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Semester VII Credit Based Grading System (CBGS) w.e.f. July 2018

Scheme of Examination

Bachelor of Engineering B.E. (Computer Science and Engineering)

Subject Wise Distribution of Marks and Corresponding Credits

Scheme of Examination w.e.f. July 2018 Academic Session 2018-19

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours/Week			Total Credits	Total Marks	
			Theory			Practical		Total Marks	L	T			P
			End. Sem.	Mid Sem. MST	Quiz, Assignme nt	End Sem.	Lab Work						
1	CS7001	Compiler Design	70	20	10	30	20	150	3	1	2	6	
2	CS7002	Data Warehousing and Mining	70	20	10	30	20	150	3	1	2	6	
3	CS7003	Network and Cyber Security	70	20	10	30	20	150	3	1	2	6	
4	CS7004	Elective-III	70	20	10	-	-	100	3	1	-	4	
5	CS7005	Elective-IV	70	20	10	-	-	100	3	1	-	4	
6	CS7006	Project-I	-	-	-	60	40	100	-	-	4	4	
7	CS7007	Industrial Training (Two Weeks)	-	-	-	30	20	50	-	-	2	2	
Total			350	100	50	180	120	800	15	5	12	32	800

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

L: Lecture

T: Tutorial

P: Practical

Department Elective-III (Four Subjects)			Department Elective-IV (Four Subjects)		
S.No.	Subject Code	Subject Name	Subject Code	Subject Name	
1	CS7004A	Advance Computing Paradigm	CS7005A	Mobile Computing	
2	CS7004B	Big Data Analysis	CS7005B	Robotics	
3	CS7004C	Real Time System	CS7005C	Internet of Things	
4	CS7004D	Automata and Computability Theory	CS7005D	Human Computer Interaction	

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Semester VII Credit Based Grading System (CBGS) w.e.f. July 2018

Scheme of Examination

Bachelor of Engineering B.E. (Information Technology)

Subject Wise Distribution of Marks and Corresponding Credits

Scheme of Examination w.e.f. July 2018 Academic Session 2018-19

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours/Week				Total Credits	Total Marks
			Theory			Practical		Total Marks	L	T	P		
			End. Sem.	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work						
1	IT7001	Cloud Computing	70	20	10	30	20	150	3	1	2	6	
2	IT7002	Distributed System	70	20	10	30	20	150	3	1	2	6	
3	IT7003	Machine Learning	70	20	10	30	20	150	3	1	2	6	
4	IT7004	Elective-III	70	20	10	-	-	100	3	1	-	4	
5	IT7005	Elective-IV	70	20	10	-	-	100	3	1	-	4	
6	IT7006	Project-I	-	-	-	60	40	100	-	-	4	4	
7	IT7007	Industrial Training (Two Weeks)	-	-	-	30	20	50	-	-	2	2	
Total			350	100	50	180	120	800	15	5	12	32	800

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

L: Lecture

T: Tutorial

P: Practical

Department Elective-III (Four Subjects)			Department Elective-IV (Four Subjects)		
S.No.	Subject Code	Subject Name	Subject Code	Subject Name	
1	IT7004A	Simulation & Modeling	IT7005A	Artificial Intelligence	
2	IT7004B	Advance Computer Architecture	IT7005B	Wireless & Mobile Communication	
3	IT7004C	Real Time System	IT7005C	Advanced Database Management System	
4	IT7004D	Soft Computing	IT7005D	Digital Signal Processing	

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Jabalpur Engineering College, Jabalpur

Semester VII Credit Based Grading System (CBGS) w.e.f. July 2018

Scheme of Examination

Bachelor of Engineering B.E. (Industrial & Production Engineering)
Subject Wise Distribution of Marks and Corresponding Credits
Scheme of Examination w.e.f. July 2018 Academic Session 2018-19

S.No.	Subject Code	Subject Name & Title	Maximum Marks Allotted					Hours/Week				Total Credits	Total Marks
			Theory			Practical		Total Marks	L	T	P		
			End. Sem.	Mid Sem. MST	Quiz, Assignment	End Sem.	Lab Work						
1	IP7001	Industrial Robotics & Mechatronics	70	20	10	30	20	150	3	1	2	6	
2	IP7002	Industrial Engineering	70	20	10	30	20	150	3	1	2	6	
3	IP7003	Supply Chain & Quality Management	70	20	10	30	20	150	3	1	2	6	
4	IP7004	Elective-III	70	20	10	-	-	100	3	1	-	4	
5	IP7005	Elective-IV	70	20	10	-	-	100	3	1	-	4	
6	IP7006	Project-I	-	-	-	60	40	100	-	-	4	4	
7	IP7007	Industrial Training (Two Weeks)	-	-	-	30	20	50	-	-	2	2	
Total			350	100	50	180	120	800	15	5	12	32	800

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

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Department Elective-III (Four Subjects)			Department Elective-IV (Four Subjects)		
S.No.	Subject Code	Subject Name	Subject Code	Subject Name	
1	IP7004A	Vibration & Maintenance Engineering	IP7005A	Material Management & Product Design	
2	IP7004B	Project Management	IP7005B	Manufacturing System Design	
3	IP7004C	Automobile Engineering	IP7005C	Product Life Cycle Management	
4	IP7004D	Computer Aided Production Planning	IP7005D	Rapid Prototyping	

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