

BIKANER TECHNICAL UNIVERSITY

BIKANER



SCHEME

NOTE: Adopted Syllabus and Scheme of Rajasthan Technical University, Kota Vide resolution of BOM agenda item No. BOM 1.6 in Meeting held on 07-09-2018

Teaching and Examination Scheme

I Semester: B.Tech Common to all branches of UG Engineering & Technology

SN	Category	Course Code	Course Title	Hours			Marks			Cr
				L	T	P	IA	ETE	Total	
1	BSC	1FY2-01	Engineering Mathematics-I	3	1	-	40	160	200	4
2	BSC	1FY2-02/ 1FY2-03	Engineering Physics/ Engineering Chemistry	3	1	-	40	160	200	4
3	HSMC	1FY1-04/ 1FY1-05	Communication Skills/ Human Values	2	-	-	20	80	100	2
4	ESC	1FY3-06/ 1FY3-07	Programming for Problem Solving/ Basic Mechanical Engineering	2	-	-	20	80	100	2
5	ESC	1FY3-08/ 1FY3-09	Basic Electrical Engineering/ Basic Civil Engineering	2	-	-	20	80	100	2
6	BSC	1FY2-20/ 1FY2-21	Engineering Physics Lab/ Engineering Chemistry Lab	-	-	2	30	20	50	1
7	HSMC	1FY1-22/ 1FY1-23	Language Lab/ Human Values Activities	-	-	2	30	20	50	1
8	ESC	1FY3-24/ 1FY3-25	Computer Programming Lab/ Manufacturing Practices Workshop	-	-	3	45	30	75	1.5
9	ESC	1FY3-26/ 1FY3-27	Basic Electrical Engineering Lab/ Basic Civil Engineering Lab	-	-	2	30	20	50	1
10	ESC	1FY3-28/ 1FY3-29	Computer Aided Engineering Graphics/ Computer Aided Machine Drawing	-	-	3	45	30	75	1.5
11	SODE CA	1FY8-00							25	0.5
Total									1025	20.5

L = Lecture, **T** = Tutorial,

P = Practical, **IA**=Internal Assessment,
ETE=End Term Exam, **Cr**=Credits

Teaching and Examination Scheme

II Semester: B.Tech.

Common to all branches of UG Engineering & Technology

SN	Category	Course Code	Course Title	Hours			Marks			Cr
				L	T	P	IA	ETE	Total	
1	BSC	2FY2-01	Engineering Mathematics-II	3	1	-	40	160	200	4
2	BSC	2FY2-03/ 2FY2-02	Engineering Chemistry/ Engineering Physics	3	1	-	40	160	200	4
3	HSMC	2FY1-05/ 2FY1-04	Human Values/ Communication Skills	2	-	-	20	80	100	2
4	ESC	2FY3-07/ 2FY3-06	Basic Mechanical Engineering/ Programming for Problem Solving	2	-	-	20	80	100	2
5	ESC	2FY3-09/ 2FY3-08	Basic Civil Engineering/ Basic Electrical Engineering	2	-	-	20	80	100	2
6	BSC	2FY2-21/ 2FY2-20	Engineering Chemistry Lab/ Engineering Physics Lab	-	-	2	30	20	50	1
7	HSMC	2FY1-23/ 2FY1-22	Human Values Activities/ Language Lab	-	-	2	30	20	50	1
8	ESC	2FY3-25/ 2FY3-24	Manufacturing Practices Workshop/ Computer Programming Lab	-	-	3	45	30	75	1.5
9	ESC	2FY3-27/ 2FY3-26	Basic Civil Engineering Lab/ Basic Electrical Engineering Lab	-	-	2	30	20	50	1
10	ESC	2FY3-29/ 2FY3-28	Computer Aided Machine Drawing/ Computer Aided Engineering Graphics	-	-	3	45	30	75	1.5
11	SODE CA	1FY8-00							25	0.5
Total									1025	20.5

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RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech. : Ceramic Engineering 2nd Year - III Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	3CR2-01	Advanced Engineering Mathematics-I	3	0	0	3	30	120	150	3
2	HSMC	3CR1-02/ 3CR1-03	Technical Communication/ Managerial Economics & Financial Accounting	2	0	0	2	20	80	100	2
3	ESC	3CR3-04	Electronic Measurement & Instrumentation	2	0	0	2	20	80	100	2
4	PCC	3CR4-05	Introduction to Ceramics	2	0	0	2	20	80	100	2
5		3CR4-06	Ceramic Raw Materials and Characterization	2	0	0	2	20	80	100	2
6		3CR4-07	Thermodynamics and Phase Equilibria	2	0	0	2	20	80	100	2
7		3CR4-08	Particle and Fluid Mechanics	2	0	0	2	20	80	100	2
8		3CR4-09	Materials Science	2	0	0	2	20	80	100	2
Sub Total				17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
9	PCC	3CR4-21	Ceramic Raw Materials & Characterization Lab	0	0	3		45	30	75	1.5
10		3CR4-22	Mineralogy and Microscopy Lab	0	0	3		45	30	75	1.5
11		3CR4-23	Mechanical Operations Lab	0	0	2		30	20	50	1
12		3CR4-24	Fluid Mechanics Lab	0	0	2		30	20	50	1
13		3CR4-25	Ceramic Processing Lab	0	0	2		30	20	50	1
14	PSIT	3CR7-30	Industrial Training	0	0	1		0	0	50	1
15	SODE CA	3CR8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0		0	0	25	0.5
Sub- Total				0	0	13		180	120	325	7.5
TOTAL OF III SEMESTER				17	0	13		350	800	1175	24.5

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Office of Dean Academic Affairs
Rajasthan Technical University, Kota



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech. : Ceramic Engineering 2nd Year - IV Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	4CR2-01	Advanced Engineering Mathematics-II	2	0	0	2	20	80	100	2
2	HSMC	4CR1-03/ 4CR1-02	Technical Communications/ Managerial Economics & Financial Accounting	2	0	0	2	20	80	100	2
3	ESC	4CR3-04	Theory of Solid Mechanics	2	0	0	2	20	80	100	2
4	PCC	4CR4-05	Ceramic Analysis and Instrumentation	3	0	0	3	30	120	150	3
5		4CR4-06	Electric Properties of Materials	2	0	0	2	20	80	100	2
6		4CR4-07	Heat and Mass Transfer	2	0	0	2	20	80	100	2
7		4CR4-08	Fuels, Furnaces and Pyrometers	2	0	0	2	20	80	100	2
8		4CR4-09	Cement Technology	2	0	0	2	20	80	100	2
Sub Total				17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
9	PCC	4CR4-21	Ceramic Analysis & Instrumentation Lab	0	0	3		45	30	75	1.5
10		4CR4-22	Electric Properties of Materials Lab	0	0	3		45	30	75	1.5
11		4CR4-23	Heat and Mass Transfer Lab	0	0	3		45	30	75	1.5
12		4CR4-24	Cement Lab	0	0	3		45	30	75	1.5
13	SODE CA	4CR8-00	Social Outreach Discipline & Extra Curricular Activities	0	0	0		0	0	25	0.5
Sub- Total				0	0	12		180	120	325	6.5
TOTAL OF IV SEMEESTER				17	0	12		350	800	1175	23.5

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