

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

L = Lecture, **T** = Tutorial,
P = Practical, **IA**=Internal Assessment,
ETE=End Term Exam, **Cr**=Credits



**Teaching & Examination Scheme
B.Tech. : Aeronautical 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	3AN2-01	Advanced Engineering Mathematics-I	3	0	0	3	30	120	150	3
2	HSMC	3AN1-02/ 3AN1-03	Technical Communication/ Managerial Economics and Financial Accounting	2	0	0	2	20	80	100	2
3	ESC	3AN3-03	Engineering Thermodynamics	2	1	0	3	30	120	150	3
4	PCC	3AN4-04	Incompressible Fluid Mechanics	3	1	0	3	40	160	200	4
5		3AN4-05	Introduction to Aeronautics	2	0	0	2	20	80	100	2
6		3AN4-06	Mechanics of Solids	3	0	0	3	30	120	150	3
Sub Total				15	1	0		170	680	850	17
PRACTICAL & SESSIONAL											
7	PCC	3AN4-21	Incompressible Fluid Mechanics Lab	0	0	2		30	20	50	1
8		3AN4-22	Introduction to Aeronautics Lab	0	0	2		30	20	50	1
9		3AN4-23	Mechanics of Solids Lab	0	0	2		30	20	50	1
10		3AN4-24	Object Oriented Programming Lab	0	0	3		45	30	75	1.5
11		3AN4-25	CAD Lab	0	0	3		45	30	75	1.5
12	PSIT	3AN7-30	Industrial Training	0	0	1		30	20	50	1
13	SODE CA	3AN8-00	Social Outreach, Discipline & Extra Curricular Activities								0.5
Sub- Total				0	0	13		210	140	350	7.5
TOTAL OF III SEMESTER				15	1	13		380	820	1200	24.5

L: Lecture, **T:** Tutorial, **P:** Practical, **Cr:** Credits

ETE: End Term Exam, **IA:** Internal Assessment

Office of Dean Academic Affairs
Rajasthan Technical University, Kota



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

SN	Category	Course Code	Course Title	Contact hrs/week			Marks			Cr	
				L	T	P	Exm Hrs	IA	ETE		Total
1	BSC	4AN2-01	Digital Science	2	0	0	2	20	80	100	2
2	HSMC	4AN103/ 4AN1-02	Managerial Economics and Financial Accounting/ Technical Communication	2	0	0	2	20	80	100	2
3	ESC	4AN3-03	Heat Transfer	2	0	0	2	20	80	100	2
4	PCC/P EC	4AN4-04	Aerodynamics -I	3	1	0	3	40	160	200	4
5		4AN4-05	Aircraft Structures-I	3	1	0	3	40	160	200	4
6		4AN4-06	Aircraft Materials and Processes	3	0	0	3	30	120	150	3
SUB TOTAL				15	2	0		170	680	850	17
7	PCC	4AN4-21	Thermal Engineering Lab	0	0	2		30	20	50	1
8		4AN4-22	Aerodynamics Lab	0	0	3		45	30	75	1.5
9		4AN4-23	Programming with MATLAB	0	0	4		60	40	100	2
10		4AN4-24	Material science Lab	0	0	3		45	30	75	1.5
11	SODE CA	4AN8-00	Social Outreach, Discipline & Extra Curricular Activities						25	25	0.5
SUB TOTAL				0	0	12		180	145	325	6.5
TOTAL OF IV SEMESTER				15	2	12		350	825	1175	23.5

L: Lecture, **T:** Tutorial, **P:** Practical, **Cr:** Credits

ETE: End Term Exam, **IA:** Internal Assessment

Office of Dean Academic Affairs
Rajasthan Technical University, Kota