

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

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

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**Teaching & Examination Scheme  
B.Tech. : Petroleum Engineering  
2<sup>nd</sup> Year - III Semester**

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	3PE2-01	Advanced Engineering Mathematics- I	3	0	0	3	30	120	<b>150</b>	<b>3</b>
2	HSMC	3PE1-02/ 3PE1-03	Technical Communication/ Managerial Economics and Financial Accounting	2	0	0	2	20	80	<b>100</b>	<b>2</b>
3	ESC	3PE3-04	Petroleum Geology	3	0	0	3	30	120	<b>150</b>	<b>3</b>
4	PCC	3PE4-05	Fluid Mechanics	3	0	0	3	30	120	<b>150</b>	<b>3</b>
5		3PE4-06	Drilling Fluids & Cementing	3	0	0	3	30	120	<b>150</b>	<b>3</b>
6		3PE4-07	Drilling Technology-I	3	0	0	3	30	120	<b>150</b>	<b>3</b>
			<b>Sub Total</b>	17	0	0		170	680	<b>850</b>	<b>17</b>
PRACTICAL & SESSIONAL											
7	PCC	3PE4-21	Fluid Mechanics Lab	0	0	4		60	40	<b>100</b>	<b>2</b>
8		3PE4-22	Drilling fluids & Cementing Lab	0	0	2		30	20	<b>50</b>	<b>1</b>
9		3PE4-23	DBMS Lab	0	0	4		60	40	<b>100</b>	<b>2</b>
10		3PE4-24	Petroleum Geology Lab	0	0	2		30	20	<b>50</b>	<b>1</b>
11	PSIT	3PE7-30	Industrial Training	0	0	1		0	0	<b>50</b>	<b>1</b>
12	SODE CA	3PE8-00	Social Outreach, Discipline & Extra Curricular Activities							<b>25</b>	<b>0.5</b>
			<b>Sub- Total</b>	0	0	13		180	120	<b>375</b>	<b>7.5</b>
			<b>TOTAL OF III SEMESTER</b>	17	0	13		350	800	<b>1225</b>	<b>24.5</b>

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# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B.Tech. : Petroleum Engineering 2<sup>nd</sup> Year - IV Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	4PE2-01	Surveying	3	0	0	3	30	120	150	3
2	HSMC	4PE1-03/ 4PE1-02	Managerial Economics and Financial Accounting/ Technical Communication	2	0	0	2	20	80	100	2
3		ESC	4PE3-04	Sedimentology & Geochemistry	3	0	0	3	30	120	150
4	PCC	4PE4-05	Reservoir Engineering-I	3	0	0	3	30	120	150	3
5		4PE4-06	Petroleum Production Engineering-I	3	0	0	3	30	120	150	3
6		4PE4-07	Applied Thermodynamics	3	0	0	3	30	120	150	3
<b>Sub Total</b>				17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
7	PCC	4PE4-21	Reservoir Engineering Lab	0	0	4		60	40	100	2
8		4PE4-22	Sedimentology & Geochemistry Lab	0	0	4		60	40	100	2
9		4PE4-23	Surveying Lab	0	0	2		30	20	50	1
10		4PE4-24	Applied Numerical Methods Sessional	0	0	2		30	20	50	1
11	SODE CA	4PE8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0		0	0	25	0.5
<b>Sub- Total</b>				0	0	12		180	120	325	6.5
<b>TOTAL OF IV SEMEESTER</b>				17	0	12		350	800	1175	23.5

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Office of Dean Academic Affairs  
Rajasthan Technical University, Kota