

Scheme of  
UNDERGRADUATE DEGREE COURSE

**B.Tech. V & VI Semester**

**Agriculture Engineering**



Rajasthan Technical University, Kota  
Effective from session: 2019-20



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme

### B. Tech.: Agriculture Engineering

#### 3<sup>rd</sup> Year – V Semester

THEORY												
SN	Category	Course		Contact hrs/week			Marks				Cr	
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total		
1	ESC	5AG3-01	Theory and Design of Machines	2	0	0	2	20	80	100	2	
2	PCC/ PEC	5AG4-02	Irrigation Engineering	3	0	0	3	30	120	150	3	
3		5AG4-03	Drying and Storage Engineering	2	0	0	2	20	80	100	2	
4		5AG4-04	Dairy and Food Engineering	2	0	0	2	20	80	100	2	
5		5AG4-05	Tractor Systems and Control	2	0	0	2	20	80	100	2	
6		5AG4-06	Renewable Energy Sources	3	0	0	3	30	120	150	3	
7		Professional Elective I (any one)		2	0	0	2	20	80	100	2	
		5AG5-11	Food Packaging Technology									
		5AG5-12	Pesticides Applications and Equipment									
		5AG5-13	Gully and Ravine Control Structures									
		5AG5-14	Understanding the Human Being Comprehensively- Human Aspirations and Its Fulfillment									
Sub Total				16	0	0		160	640	800	16	
PRACTICAL & SESSIONAL												
8	PCC	5AG4-21	Irrigation Engineering Lab	0	0	2	2	30	20	50	1	
9		5AG4-22	Drying and Storage Engineering Lab	0	0	2	2	30	20	50	1	
10		5AG4-23	Dairy and Food Engineering Lab	0	0	2	2	30	20	50	1	
11		5AG4-24	Tractor Systems and Control Lab	0	0	2	2	30	20	50	1	
12	PSIT	5AG7-30	Industrial Training	0	0	1		75	50	125	2.5	
	SODE CA	5AG8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0			25	25	0.5	
Sub- Total				0	0	9		195	155	350	7	
TOTAL OF V SEMESTER				16	0	9		355	795	1150	23	

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

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

Office of Dean Academic Affairs  
Rajasthan Technical University, Kota



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B. Tech.: Agriculture Engineering 3<sup>rd</sup> Year – VI Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks			Cr	
		Code	Title	L	T	P	Exm Hrs	IA	ETE		Total
1	ESC	6AG3-01	Design of Structures	2	0	0	2	20	80	100	2
2	PCC/ PEC	6AG4-02	Drainage Engineering	3	0	0	3	30	120	150	3
3		6AG4-03	Hydraulic Drive and Control	2	0	0	2	20	80	100	2
4		6AG4-04	Post Harvest Engineering	3	0	0	3	30	120	150	3
5		6AG4-05	Land Development and Grading	3	0	0	3	30	120	150	3
6		6AG4-06	Watershed Planning and Management	2	0	0	2	20	80	100	2
7		Professional Elective II (any one)		2	0	0	2	20	80	100	2
		6AG5-11	Ground Water Recharge Technology								
		6AG5-12	Food Processing Plant Design and Layout								
		6AG5-13	Tractor Design and Testing								
		6AG5-14	Values, Relationship & Ethical Human Conduct-For Happy & Harmonious Society								
		Sub Total		17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
8	PCC	6AG4-21	Drainage Engineering Lab	0	0	2	2	30	20	50	1
9		6AG4-22	Hydraulic Drive and Control Lab	0	0	3	2	45	30	75	1.5
10		6AG4-23	Post Harvest Engineering Lab	0	0	2	2	30	20	50	1
11		6AG4-24	Land Development and Grading Lab	0	0	2	2	30	20	50	1
12		6AG4-25	Watershed Planning and Management	0	0	3	2	45	30	75	1.5
	SODE CA	6AG8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0			25	25	0.5
		Sub- Total		0	0	12		180	145	325	6.5
		TOTAL OF VI SEMESTER		17	0	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