

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 3rd Year –V Semester

THEORY											
SN	Categ ory	Course		Contact hrs/week			Marks				Cr
		Code	Title				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								
		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

3rd Year – VI Semester

THEORY											
SN	Categor y	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								
		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

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