

7. STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN AGRICULTURE TECHNOLOGY

FIRST SEMESTER

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
1.1*	Communication Skills - I	3	-	2	25	25	100	3	50	2	200
1.2*	Applied Mathematics - I	5	-	-	50	-	100	3	-	-	150
1.3*	Applied Physics – I	4	-	2	25	25	100	3	50	3	200
1.4*	Applied Chemistry – I	3	-	2	25	25	100	3	50	3	200
1.5*	Basics of Information Technology	-	-	4	-	50	-	-	100	3	150
1.6*	Engineering Drawing - I	-	-	6	-	50	100	3	25 (Viva)	2	175
1.7*	General Workshop Practice - I	-	-	6	-	50	-	-	+100	3	150
	# Student Centred Activities	-	-	3	-	25	-	-	-	-	25
	Total	15	-	25	125	250	500	-	375	-	1250

* Common with other diploma programmes

+ Includes 25 marks for Viva-voce

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

SECOND SEMESTER (AGRICULTURE TECHNOLOGY)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
2.1*	Communication Skills – II	3	-	2	25	25	100	3	50	2	200
2.2*	Applied Mathematics - II	5	-	-	50	-	100	3	-	-	150
2.3*	Applied Physics – II	4	-	2	25	25	100	3	50	3	200
2.4*	Applied Chemistry – II	3	-	2	25	25	100	3	50	3	200
2.5**	Applied Mechanics	3	-	2	25	25	100	3	50	3	200
2.6*	Engineering Drawing - II	-	-	6	-	50	100	3	25 (Viva)	2	175
2.7*	General Workshop Practice - II	-	-	6	-	50	-	-	+100	3	150
# Student Centred Activities		-	-	2	-	25	-	-	-	-	25
Total		18	-	22	150	225	600	-	325	-	1300

* Common with other diploma programmes

** Common with diploma programmes in Mechanical Engineering, Civil Engineering and Chemical Engineering

+ Includes 25 marks for Viva-voce

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

THIRD SEMESTER (AGRICULTURE TECHNOLOGY)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
3.1	Crop Production	5	-	2	25	25	100	3	50	3	200
3.2	Farm Irrigation Engineering	4	-	3	25	25	100	3	50	3	200
3.3	Soil and Water Conservation	4	-	-	50	-	100	3	-	-	150
3.4	Manufacturing Technology-I	4	-	4	25	25	100	3	50	3	200
3.5	Basics of Electrical and Electronics Engineering.	3	-	2	25	25	100	3	50	3	200
3.6	Computer Applications in Agriculture Engineering	-	-	4	-	50	100	3	-	-	150
# Student Centred Activities		-	-	5	-	25	-	-	-	-	25
Total		20		20	150	175	600		200		1125

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

FOURTH SEMESTER (AGRICULTURE TECHNOLOGY)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
4.1	Farm Machinery and Implements - I	5	-	3	25	25	100	3	50	3	200
4.2	Renewable Sources of Energy	4	-	-	50	-	100	3	-	-	150
4.3	Post Harvest Technology	5	-	3	25	25	100	3	50	3	200
4.4 *	Manufacturing Technology-II	4	-	4	25	25	100	3	50	3	200
4.5	I.C. Engines	4	-	3	25	25	100	3	50	3	200
	# Student Centred Activities	-	-	5	-	25	-	-	-	-	25
	Total	22	-	18	150	125	500		200		975

* Common with diploma programme in Automobile Engineering

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

Industrial Training - After examination of 4th Semester, the students shall go for training in a relevant industry/field organization for a minimum period of 6 weeks and shall prepare a diary. It shall be evaluated during 5th semester by his/her teacher for 50 marks. The students shall also prepare a report at the end of training and shall present it in a seminar, which will be evaluated for another 50 marks. This evaluation will be done by HOD and lecturer incharge – training in the presence of one representative from training organization.

FIFTH SEMESTER (AGRICULTURE TECHNOLOGY)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
	Industrial Training	-	-	-	-	50	-	-	50	3	100
5.1	Employability Skills - I	-	-	2	-	25	-	-	50	3	75
5.2	Environmental Education	3	-	-	25	-	100	3	-	-	125
5.3	Farm Machinery and Implements	5	-	4	25	25	100	3	50	3	200
5.4	Farm Tractor	4	-	6	25	25	100	3	50	3	200
5.5*	Computer Aided Drafting	-	-	3	-	50	-	-	50	3	100
5.6	Agro Process Engineering	5	-	3	25	25	100	3	50	3	200
#	Student Centred Activities including Personality Development Camp	-	-	5	-	25	-	-	-	-	25
Total		17	-	23	100	225	400	-	300	-	1025

* Common with diploma programme in Mechanical Engineering

+ Includes 25 marks for Viva-voce

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

SIXTH SEMESTER (AGRICULTURE TECHNOLOGY)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
6.1	Project Oriented Professional Training	-	-	40	-	200	-	-	100	3	300
Total		-	-	40	-	200	-	-	100	-	300