

## 7. STUDY AND EVALUATION SCHEME AGRICULTURE TECHNOLOGY

### FIRST SEMESTER

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					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	4	1	-	50	-	100	3	-	-	150
1.3*	Applied Physics – I	4	-	2	25	25	100	3	50	3	200
1.4*	Applied Chemistry – I	2	-	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	-	-	<sup>+</sup> 100	3	150
# Student Centred Activities		-	-	4	-	25	-	-	-	-	25
Total		13	1	26	125	250	500		375		1250

\* Common with other diploma programmes

+ Including 25 marks for Viva-voce

# Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

## SECOND SEMESTER

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					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	4	1	-	50	-	100	3	-	-	150
2.3*	Applied Physics – II	3	-	2	25	25	100	3	50	3	200
2.4*	Applied Chemistry – II	2	-	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	-	-	4	-	25	-	-	-	-	25
Total		15	1	24	150	225	600		325		1300

\* Common with other diploma programmes

+ Including 25 marks for Viva-voce

# Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

**THIRD SEMESTER**

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
3.1	Crop Production	5	-	3	50	25	100	3	50	3	225
3.2	Water Resources Engineering	3	-	-	50	-	100	3	-	-	150
3.3	*Machine Drawing	-	-	6	-	50	100	3	-	-	150
3.4	<sup>+</sup> Manufacturing Technology-I	3	-	4	25	25	100	3	50	3	200
3.5	Soil Conservation	4	-	-	50	-	100	3	-	-	150
3.6	*Computer Applications in Mechanical Engineering	-	-	4	-	50	-	-	50	3	100
3.7	*Basics of Electrical and Electronics Engg.	3	-	2	25	25	100	3	50	3	200
Student Centred Activities		-	-	3	-	25	-	-	-	-	25
Total		18	-	22	200	200	600	-	200	-	1200

<sup>+</sup> Common with diploma in Automobile Engineering.

\* Common with diploma in Mechanical Engineering.

**FOURTH SEMESTER**

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
4.1	Farm Machinery and Implements	5	-	3	50	25	100	3	50	3	225
4.2	Non Conventional Energy Sources	3	-	2	25	25	100	3	50	3	200
4.3	Post Harvest Technology	3	-	2	25	25	100	3	50	3	200
4.4	<sup>+</sup> Manufacturing Technology-II	3	-	4	25	25	100	3	50	3	200
4.5	Farm I.C. Engines	3	-	2	25	25	100	3	50	3	200
4.6	Field Practice	-	-	6	-	50	-	-	100	3	150
Student Centred Activities		-	-	4	-	25	-	-	-	-	25
Total		17	-	23	150	200	500	-	350	-	1200

<sup>+</sup> Common with diploma in Automobile Engineering.

**FIFTH SEMESTER**

Sr. No	Subject	L T P Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
5.1	Farm Tractor	4	-	6	25	50	100	3	50	3	225
5.2	Agro Process Engineering	4	-	3	25	25	100	3	50	3	200
5.3	**CAD	-	-	6	-	50	-	-	50	3	100
5.4	*Entrepreneurship Development & Management	3	-	-	50	-	100	3	-	-	150
5.5	Irrigation Technology	4	-	3	25	25	100	3	50	3	200
5.6	*Industrial Management	3	-	-	50	-	100	3	-	-	150
Student Centred Activities		-	-	4	-	25	-	-			25
Total		18	-	22	175	175	500	-	200	-	1050

\* Common with Mechanical Engineering.

\*\* Common with Production Engineering

**SIXTH SEMESTER**

Sr. No	Subject	LTP Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
6.1	Industrial Training cum Project Work	-	-	40	-	200	-	-	100	3	300
Total		-	-	40	-	200	-	-	100	-	300

## **8. DETAILED CONTENTS**