



Chhattisgarh Swami Vivekanand Technical University (CSVTU), Bhilai (C.G.)

SCHEME OF TEACHING AND EXAMINATION

B.Tech (Third Semester – Agriculture Engineering)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Basic Science	Mathematics - III	B000311(014)	3	1	-	100	20	30	150	4
2.	Mechanical Engg.	Strength of materials	B094312(037)	3	1	-	100	20	30	150	4
3.	Agriculture Engg.	Engineering properties of biological materials and food quality	B094313(094)	3	1	-	100	20	30	150	4
4.	Agriculture Engg.	Farm power and renewable energy sources	B094314(094)	2	1	-	100	20	30	150	3
5.	Agriculture Engg.	Crop production technology	B094315(094)	2	-	-	100	20	30	150	2
6.	Agriculture Engg.	Engineering properties of biological material lab	B094321(094)	-	-	2	40	-	20	60	1
7.	Agriculture Engg.	Farm power and renewable energy sources Lab	B094322(094)	-	-	2	40	-	20	60	1
8.	Agriculture Engg.	Crop production lab	B094323(094)	-	-	2	40	-	20	60	1
9.	Agriculture Engg.	Software lab	B094324(094)	-	-	2	40	-	20	60	1
10.	Humanities	Personality Development	B000306(046)	-	-	2	-	-	10	10	-
Total Marks				13	4	10	660	100	240	1000	21

L-Lecture, T-Tutorial, P-Practical, ESE-End Semester Exam, CT- Class Test, TA-Teacher's Assessment

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI
SCHEME OF TEACHING AND EXAMINATION
B-TECH (AGRICULTURAL ENGINEERING) IV SEMESTER**

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credits
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Agri. Engg	Watershed hydrology	B094411 (094)	2	1	-	100	20	30	150	3
2.	Agri. Engg	Soil and water conservation structures	B094412(094)	3	1	-	100	20	30	150	4
3.	Agri. Engg	Crop process, Drying storage engineering	B094413(094)	3	1	-	100	20	30	150	4
4.	Mech. Engg	Engineering Thermodynamics	B094414(094)	3	1	-	100	20	30	150	4
5.	Civil Engg	Soil mechanics	B094415(094)	2	0	-	100	20	30	150	2
6.	Civil Engg	Soil mechanics Lab	B094421(094)	-	-	2	40	-	20	60	1
7.	Agri. Engg	Agricultural Topography & Land Measurement lab	B094422(094)	-	-	2	40	-	20	60	1
8.	Agri. Engg	Crop process, Drying storage engineering Lab	B094423(094)	-	-	2	40	-	20	60	1
9.	Agri. Engg	Virtual Lab	B094423(094)	-	-	2	40	-	20	60	1
10	Non-Credit	Indian Culture and Constitution of India	B000406(046)	-	-	2	-	-	10	10	-
Total				13	4	10	660	100	240	1000	21

L – Lecturer P – Practical, TA – Teacher’s Assessment

Note: (1) Duration of all theory papers will be of Three Hours.

Note: (2) Industrial Training of six weeks in mandatory for B.E. student. It is to be completed in two parts. The first part will be in summer after IV sem. after which students have to submit a training report which will be evaluated by the college teachers during B.E. V sem.



Chhattisgarh Swami Vivekanand Technical University (CSVTU, NEWAI (C.G.))

SCHEME OF TEACHING AND EXAMINATION

B Tech (Fifth Semester - AGRICULTURAL ENGINEERING)

Sl. No.	Board of Studies	Courses (Subject)	Course Code	L	T	P	Theory/Lab			Total Marks	Credits
							ESE	CT	TA		
1.	Mech. Engg	Theory of machine	C037516(037)	3	1	-	100	20	30	150	4
2.	Agri Engg	Irrigation and drainage Engg	C094511(094)	3	1	-	100	20	30	150	4
3.	Agri Engg	Ground water wells and pumps	C094512(094)	3	1	-	100	20	30	150	4
4.	Agri Engg	Farm machinery and equipments	C094513(094)	2	1	-	100	20	30	150	3
5.	Professional Elective –I (Refer to Table I)			2	0	-	100	20	30	150	2
6.	Agri Engg	Farm machinery and equipments lab	C094521(094)	-	-	2	40	-	20	60	1
7.	Agri Engg	Irrigation and drainage engg lab	C094522(094)	-	-	2	40	-	20	60	1
8.	Agri Engg	Dairy and food engg Lab	C094523(094)	-	-	2	40	-	20	60	1
9.	Agri Engg	Project –I Based on summer internship/ industrial training	C094524(094)	-	-	2	40	-	20	60	1
10.	Civil Engg	Environmental Studies	C000506(020)	-	-	2	-	-	10	10	-
Total				13	4	10	660	100	240	1000	21

L – Lecturer ,T – Tutorial, P – Practical , CT –ClassTest ESE – End Semester Exam TA – Teacher’s Assessment

- **Note: - The students has to attended the four weeks industrial training / summer internship in B. Tech program after fourth semester, which will be evaluated in fifth semester.**

Table I (Professional Elective I)

S.N.	Board of Studies	Course Code	Subject
1.	Agri Engg	C094531(094)	Dairy and food engineering
2.	Agri Engg	C094532(094)	Waste & by product utilization
3.	Agri Engg	C094533(094)	Development of processed products and development
4.	Agri Engg	C094534(094)	Reservoir and farm pond design
5.	Agri Engg	C094535(094)	Gully and ravine control structures

Note: (1) 1/4th of total strength of students subject to minimum of 20 students is required to offer and elective in the college in a particular academic session.

- (2) Choice of elective course once made for an examination cannot be changed in future examinations.**