

# आईएफटीएम विश्वविद्यालय, मुरादाबाद, उत्तर प्रदेश IFTM University, Moradabad, Uttar Pradesh NAAC ACCREDITED

# Academic Ordinance for

# Bachelor of Technology Agricultural Engineering (B. Tech. Agricultural Engineering) Programme

(Approved by the Academic Council in the meeting held on 13/11/2020)

## IFTM UNIVERSITY

(Established under U.P. Govt. Act No.24 of 2010 and approved under section 22 of UGC Act 1956) Lodhipur Rajput, Delhi Road, Moradabad- 244102, U.P.

Telephone: 591-2360817, 2360818 Email: info@iftmuniversity.ac.in

Website: www.iftmuniversity.ac.in

Registrar IFTM University

Moradabad.

School of Agril, Sci. & Engg. IFTMU, Moradabad.

#### REGULATIONS

#### 1. Short Title and Commencement

These regulations shall be called as "The Regulations for the B. Tech. Agricultural Engineering Degree Program of the IFTM University, Moradabad", latest revised from the Academic Year 2021-22. The regulations framed are subject to modifications from time to time by IFTM University, Moradabad.

#### 2. Minimum Qualification for Admission:

The candidates possess minimum 45% (40 % for SC/ST) in 10+2 with PCM/PCB/Agriculture for the admission in B. Tech. Agriculture Engineering. Admission in B. Tech. Agricultural Engineering programme will be based on Merit/Entrance examination.

Change of Branch: Students having passed I year of B. Tech. Engineering in all branches from IFTM University, Moradabad are allowed to pursue B. Tech. Agricultural Engineering in II Year.

#### 3. Duration of the program

The course of study for B. Tech. Agricultural Engineering shall extend over a period of eight semesters (four academic years) for students. The curricula and syllabi for the program shall be prescribed from time to time by IFTM University, Moradabad as per the guideline of Indian Council of Agricultural Research.

#### 4. Medium of instruction and examinations

Medium of instruction and examination shall be in English.

#### 5. Working days in each semester

Each semester shall consist of not less than 90 working days. The odd semesters shall be conducted from the month of July to December and the even semesters shall be conducted from January to June in every calendar year.

#### 6. Attendance and progress

A candidate is required to put in at least 75% attendance to appear in End-Semester Theory External Examination. However, the same can be condoned to 15% on medical grounds or for other genuine reasons beyond the control of students.

#### 7. Program/Course credit structure

As per the philosophy of Credit Based Semester System, certain quantum of academic work viz. theory classes, practical classes, project report, internship etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly, the credit associated with any of the other academic, co/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week.

7A. Credits and Grade System

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- (a) The programme shall have credits associated with them as per their Lecture/Tutorial/Practical (LTP) structure and shall be determined as follows:-
- > One lecture hour per week per semester shall be assigned one credit.
- One practical hour per week shall be assigned half credit.
  However, the credits associated with programme will be a whole number, i.e., wherever, the sum comes out to be in half credit on calculation following the aforesaid process, the half shall be rounded to the next whole number.
- (b) The letter grades based upon the overall marks obtained in a subject will be as follows:

S.No.	Marks	Letter Grade	Grade Point
1.	>=90	A+	10
2.	80-89	A	9
3.	70-79	B+	8
4.	60-69	В	7
5.	50-59	C+	6
6.	40-49	С	5
7.	35-39	D	4
8.	30-34	Е	2
9.	<30	F	0

'E' & 'F' Grade will be treated as Carry over Paper.

In addition to the above grades, there shall be two more letter grades 'I' and 'AB' which shall stand for Incomplete and Absent Grades, respectively.

#### (c) Semester Grade Point Average (SGPA)

The SGPA is a weighted average of the grade points earned by a student in all the papers credited and described his/her academic performance in a semester. If the grade points associated with the letter grades awarded to a student are  $g_1$ ,  $g_2$ ,  $g_3$ , .......  $g_k$ , etc. and the corresponding credits are  $c_1$ ,  $c_2$ ,  $c_3$ , .......  $c_k$ , the SGPA is given by:

$$SGPA = \frac{c_1g_1 + c_2g_2 + c_3g_3 + \dots c_kg_k}{c_1 + c_2 + c_3 + \dots c_k}$$

Where, k is the number of papers for which the candidate remains registered during the semester.

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#### (d) Cumulative Grade Point Average (CGPA)

The Cumulative Grade Point Average (CGPA) indicates the overall academic performance of a student in all the papers registered in that particular academic year. It is computed in the same manner as the SGPA, considering all the papers (say, n), and is given by:

$$CGPA = \frac{\sum_{i=1}^{n} c_{1}g_{1}}{\sum_{i=1}^{n} c_{1}}$$

#### (e) Final CGPA

It is the weighted average of the CGPA of all years of study.

#### (f) Percentage equivalence of CGPA/Final CGPA

The conversion of CGPA/Final CGPA to exact percentage of marks does not have perfect rationale. However, its equivalent at best can be arrived at by multiplying by 10.00.

#### 7 B. Change of Grade already awarded

Letter Grade 'E' will be changed into Letter Grade 'D' up to a maximum of 03 papers at the time of promotion to the next academic year provided he/she can be declared to have passed the academic year without any carry over paper, by changing the Grade.

#### 8. Attendance

A regular record of attendance both in Theory and Practical classes shall be maintained by the teaching staff of respective courses.

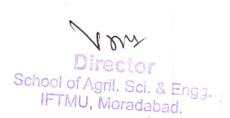
#### 9. Course of study

The course of study for B. Tech. Agricultural Engineering shall include Semester-Wise Theory & Seasonal. The number of hours to be devoted to each theory and practical course in any semester shall not be less than 40 sessions.

#### B. Tech. Agricultural Engineering

YEAR I, SEMESTER- I

S. N	Categ		Course Name		erio	ds		Mid '	ALUA SCHE Term am		Cours	Credit
IN	ory	Code		L	Т	P	C T	AS +A T	Tota l	l Exam	Total	s
						,	THE	ORY				
1.	FSC	TEMA-102/ EBT-107T	Elementary Mathematics-I Elementary Biology-I	3	1	0	20	10	30	70	100	4



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2.	FCS	TEPH-101	Engineering Physics-I	3	1	0	20	10	30	70	100	4		
3.	FSC	TECH- 101/201	Engineering Chemistry	3	1	0	20	10	30	70	100	4		
4.	FSC/H ML	TEME- 101/TEME2 01	Engineering Mechanics	3	1	0	20	10	30	70	100	4		
5.	FSC/FS C	TECS- Computer  101/TECS20 Engineering  TECS- Computer  101/TECS20 Engineering		3	1	0	20	10	30	70	100	4		
6.	FSC/FS C 101/TECS20 Fundamentals & Programming		3	1	0	20	10	30	70	100	4			
	PRACTICALS / PROJECT													
7.	ELC	TECH- 151/ECH2 1	Engineerin		T	2	20	10	30	70	100	1		
8.	ELC	TEEC-15	Electronics Engineerin g Lab		0	2	20	10	30	70	100	1		
9.	ELC	TECS-15	Computer Lab	0	0	2	20	10	30	70	100	1		
10.	ELC	TEME-15	Mechanical Engineerin g Lab	0	0	2	20	10	30	· 70	100	1		
11.	11. <b>PST</b> TGP-101 General Proficiency				-	-	-	-	100	-	100	1		
			Total Credit	18	06	08	-	.=	480	620	1100	29		

		,	Υ.	Ł.A.	KI	, SE.	MEST	EK- II					
				Pe	riod	s				НЕМЕ			
S.N.	Category	Course Code	Course Name				Mid T	erm Ex	kam	External	Course Total		
				L	Т	P	СТ	AS +AT	Total	Exam	lotai	Credits	
THE	HEORY												
1.	rsc	TEMA- 202/ EBT-209T	II/Elementary	3	1	0	20	10	30	70	100	4	
2.	FSC		Biology-II Engineering Physics-II	3	1	0	20	10	30	70	100	4	



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8.	ELC		Physics Lab  Materials &  Manufacturing	0	0	2	20	10	30	70	100	1
9.		TEEE-251	Lab Electrical			[						1
	ELC		Engineering Lab	0	0	2	20	10	30	70	100	1
	ELC		Engineering Graphics Lab	0	0	2	20	10	30	70	100	1
10.		1					-		1			
11.	PST	TGP-201	General Proficiency	-	-	-	-	-	100	<u> </u>	100	1

YEAR II. SEMESTER-III

			YEAR II,	OL	TA1	LL	SIL	17-111				
									VALUA CHEMI			
S.N	Categor v	Course Code	Course Name	Pe	erio	ods	Mic	d Term	Exam	Externa	Course Total	Credit
	•			L	Т	P	C T	AS +A T	Tota l	l Exam	Total	S
			•									
1.	ECC	TEAG302	Principle of Soil Science, Agronomy and Horticulture Crops	3	0	0	20	10	30	70	100	3
2.	ECC	TEME308	Fluid Mechanics and Open Channel Hydraulics	3	1	0	20	10	30	70	100	4
3.	EDE	TECE306	Surveying practices	3	1	0	20	10	30	70	100	4
4.	ECC	TEME306	Heat & Mass Transfer	3	1	0	20	10	30	70	100	4
5.	FSC	EMA303	Analytical Mathematics	3	1	0	20	10	30	70	100	4
6.	HML	TPSD301	Professional Skill Development -II	3	1	0	20	10	30	70	100	4





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7.	ECC	TEEE306	Electrical Machines & Power Utilization	2 3	3 1	0	20	10	30	70	100	4
			PRACT	ICA	LS	/ P	ROJE	ECT	•			
							IA	AT				
8.	ELC	TEAG3 52	Soil Science, Agronomy and Horticulture Lab	0	0	2	20	10	30	70	100	1
9.	ELC	TEME 358	Fluid Mechanics Lab	0	0	2	20	10	30	70	100	1
10.	ELC	TECE3 56	Surveying Lab	0	0	2	20	10	30	70	100	1
11.	ELC	TECE3 57	Auto CAD Applications lab	0	0	2	20	10	30	70	100	1
12.	ELC	1 36 1	Electrical Machines & Power utilization Lab	0	0	2	20	10	30	70	100	1
13	PST	TGP30	General Proficiency	-	F		-	-	-	-	100	1
	TOTAL					10	-	-	-	-	1300	33

YEAR II, SEMESTER-IV

			YEAR II, SEMESI	101	7-1	<u> </u>						
								LUAT	TION SO	СНЕМЕ		
S.N.	Category	Course Code	Course Name	Pe	erio	ods		]	d Term Exam	Externa	Cours e	Credit
				L	T	P	C T	AS +A T	Total	l Exam	Total	S
THEO	RY			_					.1			
1.	ECC	TEAG404	Farm Machinery and Equipments-I	3	0	0	20	10	30	70	100	3
2.	ECC	TEAG405	Soil Mechanics	3	0	0	20	10	30	70	100	3
3.	ECC	TEAG406	Dairy & Food Engineering	3	0	0	20	10	30	70	100	3
4.	ECC	TEME405	Strength of Materials	3	1	0	20	10	30	70	100	4
5.	ECC	TEME406	Thermal Engineering	3	1	0	20	10	30	70	100	4
6.	ECC	TEEC408	Basic Electronics and Instrumentation	3	1	0	20	10	30	70	100	4
7.	ECC	TEME407	Theory of Machines	3	1	0	20	10	30	70	100	4
PRAC	ΓICALS/PR	OJECT							L			
							I A	AT				
8.	ELC	TEAG454	Farm Machinery & Equipment-I Lab	0	0	2	20	10	30	70	100	1
9.	ELC	TEAG455	Soil Mechanics Lab	0	0	2	20	10	30	70	100	1
10.	ELC	TEAG456	Dairy and Food Engineering Lab	0	0	2	20	10	30	70	100	1



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11.	ELC	TEME456	Thermal Engineering Lab	0	0	2	20	10	30	70	100	1
12.	ELC	TEEC458	Electronics and Instrumentation Lab	0	0	2	20	10	30	70	100	1
13.	PST	TGP401	General Proficiency	-	-	-	-	-	-		100	1
TOTA	L			21	04	10	-	-	-	-	1300	31

Note: Skill Development Training-I during summer break June-July after 4<sup>th</sup> Semester

YEAR III, SEMESTER-V

			YEAR III, SEME	Т	Per		T 1	EVALU	ATION	SCHEME		1
S.N.	Category	Course Code	Course Name		5		Mi	d Term	Exam	Extern	Cours	Credi
5.11.		Course Code	Course Name	1	r	P	C	AS +A T	Tota l	al Exam	e Total	
THEO	RY					_						
1.	ECC	TEAG506	Tractor System & Control	3	0	0	20	10	30	70	100	3
2.	ECC	TEAG507	Soil & Water Conservation Engineering	3	0	0	20	10	30	70	100	3
3.	ECC	TEAG508	Tractor and Automotive Engines	3	0	0	20	10	30	70	100	3
4.	ECC	TEAG509	Watershed Hydrology, Planning and Management	3	0	0	20	10	30	70	100	3
5.	ECC	TEAG510	Bio-Energy systems: Design and Applications	3	0	0	20	10	30	70	100	3
6.	HML	TEHU501	Human values and professional ethics	3	1	0	20	10	30	70	100	4
7.	ECC	TEME506	Machine Design	3	1	0	20	10	30	70	100	4
PRAC'	TICALS /	PROJECT				_						l
		×					IA	AT				
8.	ELC	TEAG556	Tractor System & Control Lab	)	0	2	20	10	30	70	100	1
9.	ELC	TEAG557	Soil & Water Conservation Engg. Lab	ס	0	2	20	10	30	70	100	1
10.	ELC	TEAG558	Tractor and Automotive Engines Lab	)	0	2	20	10	30	70	100	1
11.	ELC	TEAG559	Hydrology Lab	)	0	2	20	10	30	70	100	1
12.	ELC	TEAG550	Bio-energy Lab	)	0	2	20	10	30	70	100	1
13.	ELC	TEAG560	Skill Development Training-I (Student READY) Registration only 5(0+5) / Seminar based on industrial training	)	0	-	-		100	_	100	5
14.	PST	TGP501	General Proficiency	2	-	-	-	-	-	-	100	1





TO	ΓAL			in the same of the	21 0	2 10-	-	-	-		1400	34
	]	MOOC Cou	rse:									
1.	VAC	MOOC- 01	MOOC Program-I (Optional)	-	-	-	-	-	-	100	100	-
2.	VAC	MOOC- 02	MOOC Program-II (Optional)	-	-	-	-	-	-	100	100	-

YEAR III, SEMESTER-VI

S.N	Categor y	Course Code	YEAR III, S Course Name		erio		EVA SCH	AS	n Tota	N Extern al Exam	-Cours e Total	Credit s
TIT	EORY							+AT	1			
IH	EURY											
1.	ECC	TEAG607	Irrigation & Drainage Engineering	3	0	0	20	10	30	70	100	3
2.	ECC	TEAG608	Ground Water, Well & Pumps	3	0	0	20	10	30	70	100	3
3.	ECC	TEAG609	Post Harvest Engineering of Horticultural crops	3	0	0	20	10	30	70	100	3
4.	ECC	TEAG610	Farm Machinery and Equipments-II	3	0	0	20	10	30	70	100	3
5.	ECC	TEAG611	Engineering Properties of Agriculture Produce of Agricultural	3	0	0	20	10	30	70	100	3
6.	EDE	TEAG612(A/B/C)	Elective I	3	0	0	20	10	30	70	100	3
7.	VAC	TEHU601	Disaster Management (Audit Paper)#	3	0	0	20	10	30	70*	100*	3

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PR	ACTICA	LS / PROJE	CT									
				T			IA	AT				
8. ,	ELC	TEAG657	Irrigation & Drainage Engineering lab	0	0	2	20	10	30	70	100	1
9.	ELC	TEAG658	Ground Water, Well & Pump Engineering Lab	0	0	2	20	10	30	70	100	1
10.	ELC	TEAG659	Post Harvest Engineering of Horticultural crops Lab	0	0	2	20	10	30	70	100	1
11.	ELC	TEAG660	Farm Machinery and Equipments-II lab	0	0	2	20	10	30	70	100	1
12.	PST	TGP601	General Proficiency	-	-	-	-	-	-	-	100	1
TO	TAL			21	00	08	-	-	-	-	1200	26

Note: Industrial Training of 4 – 6 Weeks after VI Semester (during summer break June-July) which will be evaluated in VII Semester. (Skill Development Training-II)

# The subject (THU601), Disaster Management will be offered as a compulsory audit course and each student has to pass the subject at the minimum by getting marks out of 100.

YEAR IV, SEMESTER-VII **EVALUATION** SCHEME Periods Course Credits Mid Term S.N. Category Course Code Course Name Exam **External Total** Exam +AT Total L T P THEORY Post Harvest Engineering of ECC TEAG708 20 10 30 70 100 Cereals, Pulses and Oil Seeds 2. Water ECC TEAG709 20 10 30 70 100 3 Harvesting and

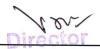
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			Soil Conservation Structures								-	
3.	ECC	TEAG710	Agricultural Structures & Environmental Control	3	0	0	20	10	30	70	100	3
4.	ECC	TEAG711	Sprinkler and Micro Irrigation Systems	n3	0	0	20	10	30	70	100	3
5.	EDE	TEAG712(A/B/C	Elective II	3	0	0	20	10	30	70	100	3
6.	ECC	TEAG713	Renewable Energy Sources and Management	3	0	0	20	10	30	70	100	3
PR	ACTICA	LS / PROJECT		_								
				Γ	T		ΙA	AT	T			
7.	ELC	TEAG758	Post Harvest Engineering of Cereals, Pulses and Oil Seeds Lab	0	0	2	20	10	30	70	100	1
8.	ELC	TEAG760	Experiential Learning I (Process & Food Engineering)	0	0	4	20	10	30	70	100	2
9.	ELC		Experiential Learning II (Farm Machinery & equipments)	0	0	4	20	10	30	70	100	2
10.	ELC	TEAG762	Experiential Learning III (Soil & Water conservation Engineering and Irrigation)	0	0	4	20	10	30	70	100	2





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11.	PDT	TEAG763	Seminar (Project based special problem)	0	0	-	20	10	30	70	100	1
12.	PDT	TEAG764	Skill Development Training-II (Student READY) Registration	0	0	-	-	-	100	-	100	5
13.	PDT	TGP701	General Proficiency	-	-	-	-	-	-	-	100	1
тот	AL			18	00	14	-	-	-	-	1300	32

### \*Educational tour during VII Semester

YEAR IV, SEMESTER-VIII

		ILAI	<u>, , , </u>	٠, ١	SENIES	EK-A	111				
	v Course Code						ALUA	TION S			
Category		Course Name	Periods			Mi	d Term	Exam		Course	
Cuttegory			L	Т	P	C	AS +A T	Total	Externa l Exam	Total	Credits
EORY					,			-	-		
HML	TEHU801	Industrial Management	3	0	0	20	10	30	70	100	3
HML	TEAG803	Entrepreneurshi p Development and Business Management	3	0	0	20	10	30	70	10 0	3
ECC	TEAG804	Fundamentals of Remote Sensing & GIS Applications	3	0	0	20	10	30	70	10 0	3
EDE	TEAG805(A/B/C	Elective course III	3	0	0	20	10	30	70	10 0	3
EOE	Engineering Open Electives	-		1	0	20	10	30	70	10 0	4
ECC	TEAG806	Agri-Informatics	3	0	0	20	10	30	70	10	3
CTICAL	LS / PROJECT										
ELC	TEAG854	Remote Sensing Lab	0		0 2	20	10	30	70	10 0	1
	EORY HML HML ECC EDE  EOE	HML TEHU801  HML TEAG803  ECC TEAG804  EDE TEAG805(A/B/C)  EOE Engineering Open Electives  ECC TEAG806  CTICALS / PROJECT	Category Course Code Course Name  EORY  HML TEHU801 Industrial Management Entrepreneurshi p Development and Business Management Fundamentals of Remote Sensing & GIS Applications  EDE TEAG805(A/B/C Elective course III  Only one paper to be chosen from the basket of Open Elective having 03 papers provided by the University*  ECC TEAG806 Agri-Informatics  CTICALS / PROJECT  EIC TEAG854 Remote Sensing	Category Course Code Course Name  L  EORY  HML TEHU801 Industrial Management Entrepreneurshi p Development and Business Management Fundamentals of Remote Sensing & GIS Applications  EDE TEAG805(A/B/C Elective course III Only one paper to be chosen from the basket of Open Elective having 03 papers provided by the University*  ECC TEAG806 Agri-Informatics 3  CTICALS / PROJECT	Category Course Code  Course Name  L T  EORY  HML TEHU801 Industrial Management Entrepreneurship Development and Business Management Fundamentals of Remote Sensing & GIS Applications  EDE TEAG805(A/B/C Elective course III Only one paper to be chosen from the basket of Open Elective having 03 papers provided by the University*  ECC TEAG806 Agri-Informatics 3 0  CTICALS / PROJECT	Category   Course Code   Course Name   Course Name   L   T   P	Category   Course Code   Course Name     Periods   Mi	Category   Course Code   Course Name     Periods   Mid Term   L T P C AS +A T	Category   Course Code   Course Name   Periods	Category   Course Code   Course Name   Periods   Mid Term Exam   L T P C AS T Total   External Exam   External Exam   Total Exam   External Exam   External Exam   External Exam   Total Exam   External Exam   External Exam   Total Exam   External Exam   Total Exam	Category   Course Code   Course Name   Periods     EVALUATION SCHEME   Mid Term Exam   Externa   Total   Total   Exam   Total   Exam   Externa   Total   Total   Exam   Externa   Externa   Total   Total   Exam   Externa   Ext



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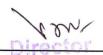
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8.	ELC	TEAG856	Agri-Informatics Lab	0	0	2	20	10	30	70	10 0	1
9.	PDT	TEAG852	Project	0	0	1 0	-	200	20 0	300	50 0	1 0
10.	PST	TGP801	General Proficiency	-	-	-	-	-	-	-	10 0	1
TO	TAL			15	00	14	-	-		-	1300	32

#### **Elective Courses**

S.N.	Category	Course Code	Course Name					
1.	EDE	Electives –I ,II & III **	Only one paper to be chosen from the basket of Departmental Elective- I, II & III having 03 papers provided by the School**					
			Departmental Elective I					
1.	EDE	TEAG612A	Wasteland Development					
2.	EDE	TEAG612B	Information Technology for Land and Water Management					
3.	EDE	TEAG612C	Precision Farming Techniques for Protected Cultivation					
		Engineering	Departmental Elective II					
4.	EDE	TEAG712A	Plastic Applications in Agriculture					
5.	EDE	TEAG712B	Human Engineering and Safety					
6.	EDE	TEAG712C	Waste and By-products Utilization					
Engineering Departmental Elective III								
7.	EDE	TEAG805A	Food Quality and Control					
8.	EDE	TEAG805B	Photovoltaic Technology and Systems					
9.	EDE	TEAG805C	Food Plant Design and Management					
,		Engineerin	g Open Electives (EOE)					
-	EOE	Only one paper to be papers provided by	be chosen from the basket of Open Elective having 03 the University*					
1.	EOE	TEME-802	Non-Conventional Energy Resources					
2.	EOE	EBT506T	Engineering Principles and calculations					
3.	EOE	NCC-01	NCC General					
		Pro	oject Elective IV					
1	DDT	TE A COSO	Project A. Soil Water & Conservation Engineering					
1.	PDT	TEAG852	B. Farm Machinery & Power Engineering C. Process & Food Engineering					





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#### 10A. Internal/ Sessional Examination

- (a) The minimum Grade required to pass in each Theory & Practical paper is 'GRADE D'.
- (b) A candidate, in order to pass must satisfy the requirement of Minimum CGPA of 4.50 in a particular academic year inclusive of both semesters of that academic year subject to conditions of clause 10D.
- (c) In case of audit/qualifying paper the minimum Grade required to pass is Grade D. However, the Grade obtained in audit paper shall not be included in SGPA.

#### 10B. End-Semester Examination

There will be two End Semester Examinations in all theory and practical subjects viz. Odd Semester (I, III, V, VII) Examination and Even Semester (II, IV, VI, VIII) Examination in an academic year.

#### 10C. Carry Forward of Marks

In case, if a student gets the carryover/back in a course/paper, the sessional marks of the subject concerned will carried forward in the total of marks when he/she re-appears for the examination of the course in which he has got the carryover/back.

#### 10D. Heads of Passing

- (a) The minimum passing marks in each theory subject (including Internal/ Sessional marks) will be 35%.
- (b) The minimum passing marks in each comprehensive viva/project will be 50 %.
- (c) A student, in order to pass must satisfy the following: Minimum 45% marks in aggregate of a particular academic year inclusive of both semesters of that academic year subject to the conditions of the clause 7B.

#### 10E. Carry Over System

Maximum number of carry over papers (Theory/ practicals) permissible for promotion to next year will be 06.

#### 10F. Promotion

- (a) A candidate satisfying all the requirements under clause 10A shall be promoted to the next academic year of study.
- (b) A candidate shall be eligible for provisional promotion with carryover (PCP status) to the next academic year of study provided he/she fails to satisfy the requirements of clause 10A(a) in not more than permissible carry over paper as mentioned in clause 10D.
- (c) If a candidate satisfies the requirements of clause 10A (a) but fails to satisfy the requirement of 10A (b) he/she shall be eligible for provisional promotion with carryover (PCP-A

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{aggregate} status). He/she may choose up to a maximum of any 06 theory/practicals papers of that particular academic year as per his/her choice to pass the examination of that.

#### 10G. Ex-studentship

A candidate opting for ex-studentship shall be required to appear in all the theory/practical/viva papers in the end semester examinations of both semesters/ annual examination of the same academic year However, the sessional marks of theory & practical both shall remain the same as those secured earlier.

#### 10. Evaluation of Performance

(a) **Programmes:** Evaluation of performance of the students in a programme shall be a continuous process based on their performance in the class test, quizzes, assignments and the end semester examinations.

#### Theory papers in semester system (Maximum Marks: 100)

The evaluation will be done through two class test and one end semester examination. This will be in addition to quizzes, assignments, attendance, etc. Each class test will carry a weightage of 10 marks, and the end semester examination will carry a weightage of 70 marks. The remaining 10 marks will be awarded on the basis of attendance and performance in quizzes and assignments.

#### Question paper pattern for End-semester Examinations

I. Multiple Choice Questions (MCQs)	=	$20 \times 1 =$	20
(Internal Choice questions)			
II. Long Answers (any 5 out of 10 questions)	=	$5 \times 10 =$	50
Total Marks	=		70
0 "			

#### Question paper pattern for Internal/ Sessional Examinations

I. Multiple Choice Questions (MCQs)	=	$2 \times 1 =$	2
(Internal Choice questions)			
II. Long Answers (Answer 2 out of 3)	=	$2 \times 4 =$	8
<b>Total Marks</b>	=		10

#### **Award of Division**

- (a) The division shall be awarded on the basis of final year result.
- (b) If a student passes all examinations and secure minimum Final CGPA 4.50 to 5.99, he/she shall be eligible for the award of SECOND DIVISION.
- (c) If a student passes all examinations and secure minimum Final CGPA 6.00 to 7.49, he/she shall be eligible for the award of FIRST DIVISION.
- (d) If a student passes all examinations in first attempt without change of Grade and secures

Director School of Agril. Sci. & Engg. IFTMU, Moradabad. Sanjelv Arawd Registrar IFTM University Moradabad. minimum Final CGPA 7.50 & above, he/she shall be eligible for the award of FIRST DIVISION WITH HONOURS.

#### 11. Scrutiny and Re-evaluation

- (a) Scrutiny shall be allowed in only theory papers, in which Re-totaling of the marks awarded will be done and only unchecked answers (if any) will be evaluated.
- (b) Re-evaluation of theory/practical papers is not permitted.

#### 12. Unfair Means

Cases of unfair means shall be dealt as per the rules of the University.

#### 13. Result

- (a) The result of a candidate shall be declared on the basis of the performance of both semesters of the same academic year.
- (b) Result of the final year shall be declared on the basis of working out Final CGPA which is the weighted average of CGPA of all years of the study.

#### 14. Improvement

There shall be no provision of Improvement examination in all the courses running in the University.

#### 15. Grade Card

- (a) A copy of the Grade Card shall be issued to each student at the end of each academic year. The duplicate copy, if required can be obtained on payment of prescribed fee.
- (b) The Grade Report Card of a student may be withheld if he/she has not paid his/her dues or if there is a case of indiscipline pending against him/her or for any other such reasons.

#### 16. Re-Admission

A candidate may be allowed for re-admission provided he/she satisfies one of the following conditions:

- (a) A candidate is declared fail.
- (b) A candidate promoted with carry over papers and opts for re-admission.

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