I SEMESTER

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME UNIVERSITY POLYTECHNIC, A.M.U., ALIGARH

Name of the Branch (es): -**Mechanical Engineering**

Semester: -**First**

Annexure: I
Special BOS: 28.03.2019

THEORY COURSES:

S.No.	Course No.	Course Title	Study Scheme Pds./ wk.		Evaluation Scheme				
					Duration of end wk. exam	Max. Marks			
			L	P	Hrs.	CourseWork	Mid Sem Exam	End SemExam	Total
1	BMA-101	Applied Maths-I	5	0	2	10	15	75	100
2	BPH-101	Applied Physics-I	2	0	2	5	10	35	50
3	BCH-101	Applied Chemistry-I	2	0	2	5	10	35	50
4	BEE-103	Electrical Engg	3	0	2	10	15	75	100
5	BME-101	Production Engg-I	4	0	2	10	15	75	100
6	BME-102	Engg. Drawing-I	2	4	2	50	15	35	100
		Total	**18**	**4**		**90**	**80**	**330**	**500**

PRACTICAL COURSES:

1	BME-191	Workshop Practice-I	0	6	2	100	--	50	150
2	BPH-191	Applied Physics Lab-I	0	2	2	30	--	20	50
3	BCH-191	Applied Chemistry Lab-I	0	2	2	30	--	20	50
4	BEE-192	Electrical Engg Lab.	0	2	2	30	--	20	50
		Total	**0**	**12**		**190**	**---**	**110**	**300**
		Grand Total	**18**	**16**		**280**	**80**	**440**	**800**

Period per week= 18+16= 34

★ **Note: -Definition**

Course Work : -Theory Courses:Assignment & Class Work

Lab Courses : Punctuality, Class Work Practical Report & Viva-Voce.

End Sem.Exam: - Lab Course : Viva-Voce & Practical Performance

II SEMESTER

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME UNIVERSITY POLYTECHNIC, A.M.U., ALIGARH

Name of the Branch (es): -**Mechanical Engineering**

Semester: -**Second**

Annexure: I
Special BOS: 28.03.2019

THEORY COURSES:

S.No.	Course No.	Course Title	Study Scheme Pds./ wk.		Evaluation Scheme				
					Duration of end sem. exam	Max. Marks			
			L	P	Hrs.	Course Work	Mid Sem. Exam	End Sem. Exam	Total
1	BMA-201	Applied. Maths-II	5	0	2	10	15	75	100
2	BPH-201	Applied Physics-II	2	0	2	5	10	35	50
3	BCH-201	Applied Chemistry-II	2	0	2	5	10	35	50
4	BEN-201	English Communications Skills	4	0	2	10	15	75	100
5	BME-201	Applied Mechanics	4	0	2	10	15	75	100
6	BME-202	Engg. Drawing -II	2	4	2	50	15	35	100
		Total	**19**	**4**		**90**	**80**	**330**	**500**

PRACTICAL COURSES:

1	BME-291	Workshop Practice -II	0	6	2	100	--	50	150
2	BPH-291	Applied Physics Lab-II	0	2	2	30	--	20	50
3	BCH-291	Applied Chemistry Lab-II	0	2	2	30	--	20	50
4	BME-292	Applied Mechanics Lab	0	2	2	30	--	20	50
		Total	**0**	**12**		**190**	**--**	**110**	**300**
		Grand Total	**19**	**16**		**280**	**80**	**440**	**800**

Period per week:19+16=35

III SEMESTER

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME UNIVERSITY POLYTECHNIC, A.M.U.,ALIGARH

Name of the Branch (es)**: -Mechanical Engineering**

Semester: -**Third**

Annexure: I
Special BOS: 28.03.2019

THEORY COURSES:

S.No.	Course No.	Course Title	Study Scheme Pds./ wk.		Evaluation Scheme				
					Duration of end sem. exam	Max. Marks			
			L	P	Hrs.	Course Work	Mid Sem. Exam	End Sem. Exam	Total
1	BMA-301	Applied Maths-III	4	0	2	10	15	75	100
2	BME-301	Metrology & Quality Control	4	0	2	10	15	75	100
3	BME-302	Thermodynamics & Heat Transfer	4	0	2	10	15	75	100
4	BME-303	Production Tech-II	4	0	2	10	15	75	100
5	BME-304	Machine Drawing-I	2	4	2	50	15	35	100
6.	BCE-306	Environmental Studies	2	0	2	5	10	35	50
		Total	**16**	**4**		**95**	**85**	**370**	**550**

PRACTICAL COURSES:

1	BME- 391	Workshop Practice-III	0	4	2	60	--	40	100
2	BME-392	Thermodynamics & Heat	0	2	2	30	--	20	50
3	BME-393	Metrology Lab	0	4(2*2)	2	60	--	40	100
		Total	**0**	**10**		**150**		**100**	**250**
		Grand Total	**20**	**14**		**245**	**85**	**470**	**800**

Period per week:20+14=34

IV SEMESTER

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME UNIVERSITY POLYTECHNIC, A.M.U., ALIGARH

Name of the Branch (es)**: -Mechanical Engineering**
Semester: -**Fourth**

Annexure: I
Special BOS: 28.03.2019

THEORY COURSES:

S. No.	Course No.	Course Title	Study Scheme Pds./ wk.		Evaluation Scheme				
					Duration of end sem.exam	Max. Marks			
			L	P	Hrs.	Course Work	Mid Sem. Exam	End Sem. Exam	Total
1	BME-401	Strength of Materials	4	0	2	10	15	75	100
2	BME-402	Materials Science	4	0	2	10	15	75	100
3	BME-403	Theory of Machines	4	0	2	10	15	75	100
4	BME-404	Machine Drawing-II	2	4	2	50	15	35	100
5	BEE-405	Industrial Electronics & Instrumentation	3	0	2	10	15	75	100
		Total	**17**	**4**		**90**	**75**	**335**	**500**

PRACTICAL COURSES:

1	BME-491	Workshop Practice-IV	0	4	2	80	--	40	120
2	BME-492	CAD Lab-I	0	2	2	40	--	20	60
3	BME-493	Strength of Materials Lab	0	2	2	40	--	20	60
4	BEE-495	Electronics Lab.	0	2	2	40	--	20	60
		Total	**0**	**10**		**200**	**--**	**100**	**300**
		Grand Total	**17**	**14**		**290**	**75**	**435**	**800**

Period per week: 17+14=31

V SEMESTER

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME UNIVERSITY POLYTECHNIC, A.M.U., ALIGARH

Name of the Branch (es) **:- Mechanical Engineering**

Semester: -**Fifth**

Annexure: I
Special BOS: 28.03.2019

THEORY COURSES:

S. No.	Course No.	Course Title	Study Scheme Pds./ wk.		Evaluation Scheme				
					Duration of end sem. exam	Max. Marks			
			L	P	Hrs.	Course Work	Mid Sem. Exam	End Sem. Exam	Total
1	BME-501	Industrial Engineering	4	0	2	10	15	75	100
2	BME-502	Hydraulics & Pneumatics	4	0	2	10	15	75	100
3	BME-503	Applied Thermodynamics	4	0	2	10	15	75	100
4 ELECTIVE	BME-504	Refrigeration & Air	4	0	2	10	15	75	100
	BPE-504	Automation & CAM							
	BPT-504	Plastic Tech.-I							
5	BME-505	Production Technology -III	4	0	2	10	15	75	100
		Total	**20**	**0**		**50**	**75**	**375**	**500**

PRACTICAL COURSES:

1	BME-591	Workshop Practice -V	0	6	2	80	--	40	120
2	BME-592	CAD Lab-II	0	2	2	50	--	30	80
3	BME-593	Applied Thermodynamics Lab	0	2	2	50	--	30	80
4	BME-594	Project	0	3	2	80	--	40	120
		Total	**0**	**13**		**260**	**--**	**140**	**400**
		Grand Total	**20**	**13**		**310**	**75**	**515**	**900**

Period per week: 20+13=33

VI SEMESTER

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME UNIVERSITY POLYTECHNIC, A.M.U., ALIGARH

Name of the Branch (es)**: - Mechanical Engineering**

Semester: - **Sixth**

Annexure: I
Special BOS: 28.03.2019

THEORY COURSES:

S.No	Course No.	Course Title	Study Scheme Pds./ wk.		Evaluation Scheme				
					Duration of end sem. Exam	Max. Marks			
			L	P	Hrs.	Course Work	Mid Sem. Exam	End Sem. Exam	Total
1	BME-601	Industrial Management & Entrepreneurship Development	4	0	2	10	15	75	100
2	BME-602	Machine Design	4	0	2	10	15	75	100
3	BME-603	Automobile Engineering	4	0	2	10	15	75	100
	BPE-	Manufacturing Technology							
	BPT-603	Plastic Tech.-II							
4	BME-604	Machine Tools & Maintenance	4	0	2	10	15	75	100
5 ELECTIVE III	BME-605	Non-Conventional Energy Sources	3	0	2	10	15	75	100
	BPE-605	Tool Design							
	BPT-605	Plastic Product & Mould							
		Total	**19**	**0**		**50**	**75**	**375**	**500**

PRACTICAL COURSES:

1	BME-691	Workshop Practice-VI	0	6	2	80	--	40	120
2 ELECTIVE LAB	BME-692	Automobile Lab	0	2	2	50	--	30	80
	BPE-692	Tool Engg. Lab							
	BPT-692	Polymer Testing & Processing Lab							
3	BME-693	Hydraulics & Pneumatics Lab	0	4 (2*2)	2	50	--	30	80
4	BME-694	Project	0	3	2	80	--	40	120
		Total	**0**	**15**		**260**	**--**	**140**	**400**
		Grand Total	**19**	**15**		**310**	**75**	**515**	**900**

Period per week: 19+15=34