

Punjab University of Technology Rasul

BS MECHANICAL ENGINEERING TECHNOLOGY

1st Semester First Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	MH-112	Islamic Studies/ Professional Ethics	Humanities	2	0	2	0
2	MS-113	Applied Physics	Natural Science	2	1	2	3
3	MS-123	Applied Mathematics-I	Natural Science	3	0	3	0
4	MS-133	Applied Chemistry	Natural Science	2	1	2	3
5	MS-143	Introduction to Computer Fundamentals	Computer Science	1	2	1	6
6	MT-113	Workshop Technology	Engineering Foundation	1	2	1	6
Total				11	06	11	18
Grand Total				11 + 06 = 17		11+18 = 29	

2nd Semester First Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	MS-153	Applied Mathematic - II	Natural Science	3	0	3	0
2	MH-122	Pakistan Studies	Humanities	2	0	2	0
3	MT-124	Technical Drawing and CAD-1	Engineering Foundation	2	2	2	6
4	MT-134	Applied Thermodynamics- 1	Engineering Foundation	2	2	2	6
5	MT-144	Basic Electrical & Electronics	Engineering Foundation	2	2	2	6
Total				11	06	11	18
Grand Total				11 + 06 = 17		11 + 18 = 29	

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3rd Semester Second Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	MH-213	Communication Skills	Humanities/ English	3	0	3	0
2	MT-213	CAD - II	Major based Breadth	0	3	0	9
3	MT-223	Industrial Material	Engineering Foundation	2	1	2	3
4	MT-233	Mechanics of Material	Engineering Foundation	2	1	2	3
5	MT-243	Applied Thermo-dynamics - II	Major based Breadth	2	1	2	3
Total				09	06	09	18
Grand Total				09 + 06 = 15		09 + 18 = 27	

4th Semester Second Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	MT-253	Machine Design	Major based Breadth	3	0	3	0
2	MT-264	Fluid Mechanics	Major based Breadth	2	2	2	6
3	MT-273	Engineering Statics	Major based Breadth	2	1	2	3
4	MS-213	Probability and Statistics	Natural Science	3	0	3	0
5	MM-212	Total Quality Management	Management Science	2	0	2	0
6	MH-223	Technical Report Writing	Humanities / English	3	0	3	0
Total				15	03	15	09
Grand Total				15 + 03 = 18		15 + 09 = 24	

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5th Semester Third Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	MT-313	Heat Transfer	Major based Depth	2	1	2	3
2	MT-324	I C Engine	Major based Depth	2	2	2	6
3	MT-333	Dynamics	Major based Depth	2	1	2	3
4	MT-343	Manufacturing Processes	Major based Depth	2	1	2	3
5	MM-313	Project Management	Management Science	3	0	3	0
6	MH-312	Economics	Humanities	2	0	2	0
Total				13	05	13	15
Grand Total				13 + 05 = 18		13+ 15 = 28	

6th Semester Third Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	MT-353	Instrumentation and Control	Major based Depth	2	1	2	3
2	MT-363	Mechanical Vibration	Major based Depth	2	1	2	3
3	MT-373	Refrigeration & Air Conditioning	Major based Depth	2	1	2	3
4	MT-384	Material Handling and Safety	Major based Depth	3	1	3	3
5	MT-393	Project	Major based Depth	0	3	0	9
Total				09	07	09	21
Grand Total				09 + 07 = 16		09 + 21 = 30	

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6th Semester Third Year Summer Project Work:

S. No	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MT-3103	Project (Continue)	0	03	0	09
Grand Total			00+ 03 = 03		00 + 09 = 09	

7th Semester Fourth Year:

S. No	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MT-4116	16 Weeks Supervised Industrial / Field Training (8x5=40 Hrs / Week)	0	16	0	40x16 = 640
Total			0	16	0	640
Grand Total			0 + 16 = 16		0 + 640 = 640	

8th Semester Fourth Year:

S. No	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MT-4216	16 Weeks Supervised Industrial / Field Training (8x5=40 Hrs / Week)	0	16	0	40x16 = 640
Total			0	16	0	640
Grand Total			0+ 16 = 16		0+ 640 = 640	

Summary:

BSc Mechanical Engineering Technology		
Semester	Credit Hours	
	Theory	Practical
1 st	11	6
2 nd	11	6
3 rd	9	6
4 th	15	3
5 th	13	5
6 th	9	7
6 th Summer	0	3
7 th	0	16
8 th	0	16
Total	68	68
G. Total	136	