CURRICULAR STRUCTURE FOR PART – I FIRST SEMESTER OF THE FULL-TIME DIPLOMA COURSES IN MEDICAL LABORATORY TECHNOLOGY

Sl. No.	Subject Code	Subject of Study	Contact periods / week			Examination Scheme				Full Marks		Page No.
						Internal		External				
		Theoretical Papers	Lecture	Tutorial	Sessional	Assessment	Attendance	Objective	Subjective	Th.	Ses.	
1.	* / 1 / T1 / CSS	Communication Skills (Studies)	2	1	—	10	2.5	—	50	50	—	**9**
2.	* / 1 / T2 / PHY1	Physics – I	3	—	—	10	2.5	15	35	50	—	**10**
3.	* / 1 / T3 / CHM1	Chemistry – I	2	1	—	10	2.5	15	35	50	—	**12**
4.	* / 1 / T4 / MTHS	Mathematics	5	—	—	20	5	30	70	100	—	**13**
5.	* / 1 / T5 / EMK	Engineering Mechanics	3	1	—	20	5	30	70	100	—	**15**
		Sessional Papers	**Lecture**	**Tutorial**	**Sessional**	**Internal**		**External**		**Th.**	**Ses.**	—
6.	* / 1 & 2 / S1 / LPHY	Physics Lab (Group – A)	—	—	3	12.5		—		—	—	**51**
7.	* / 1 & 2 / S2 / LCHM	Chemistry Lab (Group – A)	—	—	3	12.5		—		—	—	**52**
8.	* / 1 & 2 / S3 / SED	Engineering Drawing (S) (Group – A)	—	—	6	50		—		—	—	**53**
9.	* / 1 & 2 / S4 / WSPR	Workshop Practice	—	—	6	50		—		—	—	**57**
*** Code for discipline**		**T O T A L**	**15**	**3**	**18**	—		—		**350**	**—**	—

CURRICULAR STRUCTURE FOR PART – I SECOND SEMESTER OF THE FULL-TIME DIPLOMA COURSES IN MEDICAL LABORATORY TECHNOLOGY

Sl. No.	Subject Code	Subject of Study	Contact periods / week			Examination Scheme				Full Marks		Page No.
						Internal		External				
		Theoretical Papers	Lecture	Tutorial	Sessional	Assessment	Attendance	Objective	Subjective	Th.	Ses.	
1.	* / 2 / T1 / BEA	Business Economics & Accountancy	4	—	—	20	5	30	70	100	—	**27**
2.	* / 2 / T2 / PHY2	Physics – II	2	—	—	10	2.5	15	35	50	—	**29**
3.	* / 2 / T3 / CHM2	Chemistry – II	2	—	—	10	2.5	15	35	50	—	**30**
4.	* / 2 / T4 / CA	Computer Applications	3	—	—	10	2.5	15	35	50	—	**32**
5.	* / 2 / T5 / EMTH	Engineering Mathematics	3	—	—	20	5	30	70	100	—	**33**
6.	* / 2 / T6 / SOM	Strength of Materials	3	—	—	20	5	30	70	100	—	**35**
7.	* / 2 / T7 / ETK	Electrical Technology	2	—	—	10	2.5	15	35	50	—	**36**
8.	* / 2 / T8 / ED	Engineering Drawing (4 hr. Exam.)	—	—	—	20	5	30	70	100	—	**53**
		Sessional Papers	**Lecture**	**Tutorial**	**Sessional**	**Internal**		**External**		**Th.**	**Ses.**	—
9.	* / 1 & 2 / S1 / LPHY	Physics Lab (Group – B)	—	—	2	12.5		25		—	50	**51**
10.	* / 1 & 2 / S2 / LCHM	Chemistry Lab (Group – B)	—	—	2	12.5		25		—	50	**52**
11.	* / 1 & 2 / S3 / SED	Engineering Drawing (S) (group – B)	—	—	6	50		100		—	200	**53**
12.	* / 1 & 2 / S4 / WSPR	Workshop Practice	—	—	6	50		100		—	200	**57**
13.	* / 2 / S5 / LCA	Computer Applications Lab	—	—	3	50		50		—	100	**65**
14.	* / 2 / S6 / LETK	Electrical Technology Lab	—	—	2	25		25		—	50	**67**
*** Code for discipline**		**T O T A L**	**19**	—	**21**	—		—		**600**	**650**	—

- Each of Part I – 1st & 2nd semester is of 17 weeks duration of which 15 weeks are scheduled as contact weeks and 2 weeks are scheduled for holding two Centralised Internal Assessments.
- Part I – 1st & 2nd semester consists of 36 & 40 contact periods per week respectively, and, 8 & 4 periods per week respectively are allocated for Student Centred Activities like Library, Guided Studies etc.
- Marks distribution in Part – I : Theoretical – 950, Sessional – 650; Total – 1600.

CURRICULAR STRUCTURE FOR PART – II FIRST SEMESTER OF DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

Sl. No.	Subject Code	Subject of Study	Contact Periods / Week			Examination Scheme				Full Marks		Page No.
						Internal		External				
		Theoretical Papers	Lecture	Tutorial	Sessional	Assessment	Attendance	Objective	Subjective	Th.	Ses.	
1.	MLT / 3 / T1 / ENVE	Environmental Engineering	3	—	—	20	5	30	70	100	—	**5**
2.	MLT / 3 / T2 / C	Programming in C	3	—	—	20	5	30	70	100	—	**7**
3.	MLT / 3 / T3 / BE	Basic Electronics	3	—	—	20	5	30	70	100	—	**9**
4.	MLT / 3 / T4 / ANT	Anatomy	3	1	—	20	5	30	70	100	—	**11**
5.	MLT / 3 / T5 / PHS	Physiology	4	—	—	20	5	30	70	100	—	**12**
6.	MLT / 3 / T6 / DLD	Digital Logic Design	4	—	—	20	5	30	70	100	—	**14**
		Sessional Papers	**Lecture**	**Tutorial**	**Sessional**	**Internal**		**External**		**Th.**	**Ses.**	**—**
7.	MLT / 3 / S1 / LC	Programming in C Lab	—	—	3	50		50		—	100	**16**
8.	MLT / 3 / S2 / LBE	Basic Electronics Lab	—	—	3	50		50		—	100	**17**
9.	MLT / 3 / S3 / PANT	Anatomy Practical	—	—	4	50		50		—	100	**18**
10.	MLT / 3 / S4 / PPHS	Physiology Practical	—	—	4	50		50		—	100	**18**
11.	MLT / 3 / S5 / DEP	Digital Logic Design Lab	—	—	4	50		50		—	100	**19**
		TOTAL	**20**	**1**	**18**	**—**		**—**		**600**	**500**	**—**

- **In Part II – 1st Semester, 15 weeks are scheduled as contact weeks during which theoretical & sessional classes will take place and the two centralised internal assessments will take place in another 2 weeks.**
- **Each contact week of this Part II – 1st Semester consists of 39 contact periods and other 5 periods are allocated for Library & Guided Studies.**

CURRICULAR STRUCTURE FOR PART – II SECOND SEMESTER OF DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

Sl. No.	Subject Code	Subject of Study	Contact Periods / Week			Examination Scheme				Full Marks		Page No.
						Internal		External				
		Theoretical Papers	Lecture	Tutorial	Sessional	Assessment	Attendance	Objective	Subjective	Th.	Ses.	
1.	MLT / 4 / T1 / CSJ	Communication Skills (Job)	2	—	—	10	2.5	—	50	50	—	**—**
2.	MLT / 4 / T2 / CBBB	Clinical Biochemistry and Basic Biophysics	4	2	—	20	5	30	70	100	—	**—**
3.	MLT / 4 / T3 / BI1	Biomedical Instrumentation – I	4	—	—	20	5	30	70	100	—	**—**
4.	MLT / 4 / T4 / EEE	Elements of Electrical Engineering	3	—	—	20	5	30	70	100	—	**—**
5.	MLT / 4 / T5 / AE	Analog Electronics	3	1	—	20	5	30	70	100	—	**—**
		Sessional Papers	**Lecture**	**Tutorial**	**Sessional**	**Internal**		**External**		**Th.**	**Ses.**	**—**
6.	MLT / 4 / S1 / LCSJ	Communication Skills (Job) Lab	—	—	2	25		25		—	50	**—**
7.	MLT / 4 / S2 / LCBB	Clinical Biochemistry and Basic Biophysics Lab	—	—	6	50		50		—	100	**—**
8.	MLT / 4 / S3 / LBI1	Biomedical Instrumentation lab – I	—	—	4	50		50		—	100	**—**
9.	MLT / 4 / S4 / LEEE	Electrical Engineering Lab	—	—	3	50		50		—	100	**—**
10.	MLT / 4 / S5 / LAE	Analog Electronics Lab	—	—	5	50		50		—	100	**—**
		TOTAL	**16**	**3**	**20**	**—**		**—**		**450**	**450**	**—**

- **In Part II – 2nd Semester, 15 weeks are scheduled as contact weeks during which theoretical & sessional classes will take place and the two centralised internal assessments will take place in another 2 weeks.**
- **Each contact week of this Part II – 2nd Semester consists of 39 contact periods and other 5 periods are allocated for Library & Guided Studies.**
- **Marks distribution of Part – II: Theoretical – 1050, Sessional – 950; Total – 2000.**

CURRICULAR STRUCTURE FOR THE PART – III FIRST SEMESTER OF DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

Sl. No.	Subject Code	Subject of Study	Contact periods / Week		Examination Scheme				Full Marks		Page No.
					Internal		External				
		Theoretical Papers	Lecture	Sessional	Assessment	Attendance	Objective	Subjective	Th.	Ses.	
1.	MLT / 5 / T1 / HIM	Hospital & Industrial Management	3	-	20	5	30	70	100	-	
2.	MLT / 5 / T2 / HBF	Hematology & Body Fluid	4	-	20	5	30	70	100	-	
3.	MLT / 5 / T3 / BI2	Biomedical Instrumentation-II	4	-	20	5	30	70	100	-	
4.	MLT / 5 / T4 / IMC	Installation Maintenance & Care	4	-	20	5	30	70	100	-	
5.	MLT / 5 / T5 / EM	Electronic Measurement	4	-	20	5	30	70	100	-	
6.	MLT / 5 / T6 / ELEC1	1) Human Performance Engineering 2) Medical Techniques	4	-	20	5	30	70	100	-	
		Sessional Papers	LEcture	Sessional	Internal		External		Th.	Ses.	
7.	MLT / 5 / S1 / LHBF	Hematology & Body Fluid Lab.	-	4	50		50		-	100	
8.	MLT / 5 / S2 / LBI2	Biomedical Instrumentation-II Lab.	-	4	50		50		-	100	
9.	MLT / 5 / S3 / LEM	Electronic Measurement Lab.	-	4	50		50		-	100	
10.	MLT / 5 / S4 / SPW1	Project Work (Part-A)	-	4	50		-		-	-	
			23	**16**					**600**	**300**	

CURRICULAR STRUCTURE FOR THE PART – III SECOND SEMESTER OF DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

Sl. No.	Subject Code	Subject of Study	Contact periods / Week		Examination Scheme				Full Marks		Page No.
					Internal		External				
		Theoretical Papers	Lecture	Sessional	Assessment	Attendance	Objective	Subjective	Th.	Ses.	
1.	MLT / 6 / T1 / BV	Bacteriology & Virology	4	-	20	5	30	70	100	-	
2.	MLT / 6 / T2 / PH	Parasitology & Helminthology	4	-	20	5	30	70	100	-	
3.	MLT / 6 / T3 / SMBA	Serology, Mycology, Biopsy & Animal Care	4	-	20	5	30	70	100	-	
4.	MLT / 6 / T4 / ELC2	1) Medical Informatics 2) Medical Instruments	4	-	20	5	30	70	100	-	
		Sessional Papers	Lecture	Sessional	Internal		External		Th.	Ses.	
5.	MLT / 6 / S1 / LIM	Installation Maintenance Lab.	-	5	50		50		-	100	
6.	MLT / 6 / S2 / LBV	Bacteriology & Virology Lab.	-	5	50		50		-	100	
7.	MLT / 6 / S3 / LPMH	Parasitology, Mycology, Helminthology, Serology & Biopsy Lab.	-	5	50		50		-	100	
8.	MLT / 6 / S4 / SEL	Sessional on Elective-II	-	3	25		25		-	50	
9.	MLT / 6 / S5 / PROJ	Project Work (Part-B)	-	4	50		100		-	200	
10.	MLT / 6 / S6 / SEM	Seminar	-	1	25		25		-	50	
11.	MLT / 6 / S7 / VIVA	Viva Voce	-	-	50		50		-	100	
		T O T A L	**16**	**23**					**400**	**700**	

- **Part – III Second Semester consists of 39 contact periods per week and 5 periods per week for Library & Guided Studies.**
- **Marks distribution: Theoretical – 1000, Sessional – 1000; Total – 2000 (FIRST SEMESTER : Theoretical – 600, Sessional – 300 & SECOND SEMESTER : Theoretical – 400, Sessional – 700).**