

EDUCATIONAL MULTI MEDIA RESEARCH CENTRE

UNIVERSITY OF MYSORE

MANASAGANGOTRI, MYSORE - 570006

Paramedical & Health Administration

SL.NO.	YEAR/ SEMESTER	PAPERS
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1	I YEAR	Paramedical & Health Administration
		TOTAL

NO OF TOPICS

55
55

PAPER: 01-MEDICAL LAB & MOLECULAR DIAGNOSTIC TECHNOLOGY

Sl.No	Year / Sem	Paper No. & Name	E-content Module No.	E-content HARD DISK No.	E-Content Lecture Title	Video Programme Title (For VYAS Channel)	Tape /PD No.	Subject Expert	Producer	Remarks if any
1	I YEAR	P A P E R : 0 1 - M E D I C A L T E C H N & O L O G Y E C U L :	1	MLMDT-HD-001	Laboratory	Laboratory		Dr.Deveraja KUD		
2	I YEAR		2	MLMDT-HD-002	SI Units	SI Units		Dr.Cletus D'souza		
3	I YEAR		3	MLMDT-HD-003	Sterilization and Disinfection in the Laboratory	Sterilization and Disinfection in the Laboratory		Dr.Swathy Prasad		
4	I YEAR		4	MLMDT-HD-004	General Biomolecules - Carbohydrates and Lipids	General Biomolecules - Carbohydrates and Lipids		Dr.Cletus D'souza		
5	I YEAR		5	MLMDT-HD-005	Solutions, Acids, Bases, Salts and Indicators	Solutions, Acids, Bases, Salts and Indicators		Dr.Rashmi		
6	I YEAR		6	MLMDT-HD-006	Biomedical Waste Management	Biomedical Waste Management		Samudyata CP		
7	I YEAR		7	MLMDT-HD-007	Urine Analysis	Urine Analysis		Dr.Swathy Prasad		
8	I YEAR		8	MLMDT-HD-008	Stool examination	Stool examination		Dr.Shilpa		
9	I YEAR		9	MLMDT-HD-009	Renal Function and Evaluation	Renal Function and Evaluation		Dr.Shilpa		

10	I YEAR	A R D I A G N O S T I C	10	MLMDT-HD-010	Parasitology	Parasitology		Dr.Swathy Prasad		
11	I YEAR		11	MLMDT-HD-011	Clinical Hematology	Clinical Hematology		Samudyata CP/shilpa		
12	I YEAR		12	MLMDT-HD-012	Introduction to Bleeding Disorders	Introduction to Bleeding Disorders		Dr.Swathy Prasad		
13	I YEAR		13	MLMDT-HD-013	Cerebrospinal Fluid	Cerebrospinal Fluid		Dr.Deveraja KUD		
14	I YEAR	P A P E R : 0 1 - M E D I C A L L A B & M O	14	MLMDT-HD-014	Semen Analysis	Semen Analysis		Samudyata CP		
15	I YEAR		15	MLMDT-HD-015	Sputum Analysis	Sputum Analysis		Dr.Poorna Bindhu		
16	I YEAR		16	MLMDT-HD-016	Diabetes Mellitus and Lab Diagnosis	Diabetes Mellitus and Lab Diagnosis		Dr.Shilpa		
17	I YEAR		17	MLMDT-HD-017	Pregnancy Tests	Pregnancy Tests		Samudyata CP		
18	I YEAR		18	MLMDT-HD-018	Liver Function Tests	Liver Function Tests		Dr.Shilpa		
19	I YEAR		19	MLMDT-HD-019	Clinical chemistry	Clinical chemistry		Dr.Cletus /Archana		
20	I YEAR		20	MLMDT-HD-020	Enzymology	Enzymology		Dr.Cletus /Archana		

21	I YEAR	M O L E C U L A R D I A G N O S T I C T E C H N O L O G Y	21	MLMDT-HD-021	Cytology	Cytology		Samudyata CP		
22	I YEAR		22	MLMDT-HD-022	Microbiology and Bacteriology	Microbiology and Bacteriology		Samudyata CP		
23	I YEAR		23	MLMDT-HD-023	Serum Immunology	Serum Immunology		Dr.Deveraja KUD		
24	I YEAR		24	MLMDT-HD-024	Mycology	Mycology		Dr.Swathy Prasad		
25	I YEAR		25	MLMDT-HD-025	Blood gases and Electrolytes	Blood gases and Electrolytes		Dr.Deveraja KUD		
26	I YEAR		26	MLMDT-HD-026	Diagnostic immunology	Diagnostic immunology ((Immunodiffusion, electrophoreses and Turbidimetry)		Dr.Deveraja KUD		
27	I YEAR		27	MLMDT-HD-027	Cytogenetics	Cytogenetics		Samudyata CP		
28	I YEAR		28	MLMDT-HD-028	Nucleic Acid	Nucleic Acids		Dr.Rashmi		
29	I YEAR	P A P E R : D O I A - G M N	29	MLMDT-HD-029	Molecular Diagnostic Technology	Molecular Diagnostic Technology		Deepika / Abhisheka		
30	I YEAR		30	MLMDT-HD-030	DNA Amplification Techniques	DNA Amplification Techniques		Deepika / Abhisheka		
31	I YEAR		31	MLMDT-HD-031	Ligase chain reaction, nucleic acid sequence-based amplification, branched DNA detection.	Ligase chain reaction, nucleic acid sequence-based amplification, branched DNA detection.		Deepika / Abhisheka		

32	I YEAR	E O D S I T C I A C L T L E A C B H N & O L M O G L Y E C U L A R	32	MLMDT-HD-032	Allele-Specific Mutation Detection by PCR-ARMS and PCR-ASO Methods	Allele-Specific Mutation Detection by PCR-ARMS and PCR-ASO Methods		Dr.Deveraja KUD		
33	I YEAR		33	MLMDT-HD-033	The Competitive Oligopriming	The Competitive Oligopriming		Dr.Deveraja KUD		
34	I YEAR		34	MLMDT-HD-034	Oligonucleotide Ligation Assays for Diagnosis of Inherited Diseases	Oligonucleotide Ligation Assays for Diagnosis of Inherited Diseases		Dr.Deveraja KUD		
35	I YEAR		35	MLMDT-HD-035	Enzymatic and Chemical Cleavage Methods to Identify Genetic Variation	Enzymatic and Chemical Cleavage Methods to Identify Genetic Variation		Dr.Deveraja KUD		
36	I YEAR		36	MLMDT-HD-036	Mutation Detection by Single-Strand Conformation Polymorphism and Heteroduplex Analysis	Mutation Detection by Single-Strand Conformation Polymorphism and Heteroduplex Analysis		Dr.Cletus /Archana		
37	I YEAR		37	MLMDT-HD-037	Capillary Electrophoresis	Capillary Electrophoresis		Dr.Cletus /Archana		
38	I YEAR		38	MLMDT-HD-038	Real-Time Polymerase Chain Reaction	Real-Time Polymerase Chain Reaction		Deepika / Abhisheka		
39	I YEAR		39	MLMDT-HD-039	Molecular Cytogenetics in Molecular Diagnostics	Molecular Cytogenetics in Molecular Diagnostics		Samudyata CP		
40	I YEAR		40	MLMDT-HD-040	DNA Microarrays and Genetic Testing	DNA Microarrays and Genetic Testing		Samudyata CP		
41	I YEAR		41	MLMDT-HD-041	Human Genome Microarray in Biomedical Applications	Human Genome Microarray in Biomedical Applications		Deepika / Abhisheka		
42	I YEAR		42	MLMDT-HD-042	Automated DNA Hybridization and Detection	Automated DNA Hybridization and Detection		Dr.Cletus /Archana		

43	I YEAR		43	MLMDT-HD-043	High Throughput Mass Spectrographic Methods to Identify Disease Processes	High Throughput Mass Spectrographic Methods to Identify Disease Processes		Dr.Deveraja KUD		
44	I YEAR		44	MLMDT-HD-044	Application of Proteomics to Disease Diagnostics	Application of Proteomics to Disease Diagnostics		Dr.Deveraja KUD		
45	I YEAR		45	MLMDT-HD-045	Molecular Diagnostic Applications in Forensic Science	Application of Molecular Diagnostics in Forensic Science		Dr.Deveraja KUD		
46	I YEAR		46	MLMDT-HD-046	Molecular Diagnostic Technology-Impact on Drug Discovery and Development	Molecular Diagnostic Technology-Impact on Drug Discovery and Development		Samudyata CP		
47	I YEAR		47	MLMDT-HD-047	Application of molecular biology in investigation	Application of molecular biology in investigation		Deepika / Abhisheka		