

Curriculum
for the
Two Years' Post Matric Competency Based
Diploma in
Mortuary Assistant

(New Scheme)



Punjab Medical Faculty
2019

Mortuary Technician/ Forensic Autopsy Technician

A Mortuary Technician is responsible for providing technical assistance to the Forensic Medical person. Employees in this class have extensive job description and generally they work under supervision. They are involved in every step, from receiving the dead body till handing over the body to police/relatives. Their existence in Forensic Medical department/Institute/hospital is inevitably important for the smooth functioning of the system.

Duties of Mortuary Technician/ Forensic Autopsy Technician

Essential duties of Mortuary Technician/Forensic Autopsy Technician may include:

1. Maintaining autopsy/identity/ instrument registers.
2. Maintenance of cold storage
3. Maintenance of autopsy rooms
4. Maintenance/preparation of autopsy instruments
5. Assist the duty doctor in autopsy and radiological examination of the corpse.
6. Maintain autopsy lab clean and free from police /relatives/press reporters and other outsiders
7. Verification of personal identification of corpse brought for autopsy
8. Preparing preliminary summaries of the deceased's clinical history
9. Collecting and preserving clothing, physical and biological evidence for forensic analysis
10. Maintain expense registers of instruments, chemicals, preservatives and other reagents required for autopsy
11. Preparing and preserving forensic evidence
12. Performing diagnostic imaging activities, including body and dental x-rays
13. Assisting forensic medical person in specialty forensic examinations, such as dental or anthropology examinations
14. Photographing and documenting wounds and areas of injury
15. Collecting latent and cast fingerprints
16. Positioning and photographing bodies and organs
17. Drawing and spinning blood samples
18. Opening and closing bodies
19. Removing organs, tissues and fluids
20. Taking cultures
21. Maintaining detailed records of all collected evidence and examinations
22. Maintain register of viscera / specimen sent to chemical examiner/bacteriologist / histo-pathologist etc
23. Overseeing the release of bodies to funeral homes
24. Arrange expeditious disposal of unclaimed corpse after autopsy
25. Any other duty assigned by the Incharge of autopsy lab.

Professional Scope

Forensic autopsy technicians must have a clear understanding of departmental /institutional /government policies and procedures, including safety, environmental and infection control standards and quality improvement. Their work requires them to maintain radiological and medical equipment; maintain an inventory of equipment, supplies and accessories; and clean and sterilize equipment.

Forensic autopsy technicians, who are most commonly employed by a Forensic Department/Forensic Laboratory/ hospital, work in an autopsy room/ medico-legal clinic within a forensic laboratory and alongside forensic pathologists, forensic investigators, and morgue attendants.

Competency of a Forensic Autopsy Technician

Forensic autopsy technician jobs involve having a working knowledge of:

- Modern forensic, pathological, and laboratory principles and practices
- Medical nomenclature and anatomy
- Statutory requirements pertinent to medical examiners
- Universal precautions and safety guidelines
- Photography and x-rays
- Laboratory procedures

Their work may require them to lift and move heavy bodies. They must use sound judgment to assess situations, evaluate alternatives, and make recommendations. They must be able to understand and interpret written material, including technical material and instructions, and they must be able to work productively and efficiently both independently and with other forensic medical person.

FRAMEWORK OF THE CURRICULUM

1. INTRODUCTION

To allow self-assessment and external–review, the Diploma of Mortuary Technician (DMT) has a mission, measurable objectives and expected outcomes for diploma holders. Outcomes include competency in tasks; diploma holders are expected to perform after completing the program. The extent to which the students achieve these objectives will be evaluated through continuous formative evaluations of each module; and summative evaluation at the end of the program in the form of comprehensive evaluation. The effectiveness of the program itself will be measured through continuous monitoring by the Program Director; peer review committees and accreditation reviews.

2. MISSION OF THE PROGRAM

To educate the trainees and impart professional knowledge, skills and ethical values in Diploma of Mortuary Technician (DMT) and enable them to apply their knowledge and skills at forensic laboratories/hospitals.

3. PROGRAM OBJECTIVES

The aim of Diploma of Mortuary Technician (DMT) program is to produce trained/skilled professionals, who are able to perform/ assist the duties related to medico-legal work/autopsies under the supervision of Forensic medical Officer in forensic departments, hospitals and institutions.

Curriculum of this diploma program will fulfill following objectives:

1. The students accept the importance of the program in its full sense and are prepared to invest time and efforts to acquire, maintain and further improve their knowledge & skills.

2. The students develop a critical appreciation of the techniques & procedures carried out in medico-legal work / autopsies.

4. EDUCATION LEVEL

This two year program provides a competency and eligibility against BS -9 jobs in government /private setup as autopsy technician/mortician.

5. NOMENCLATURE

The nomenclature of this qualification will be Diploma of Mortuary Technician (DMT).

6. DURATION OF THE PROGRAM

Two Academic Years

7. ELIGIBILITY CRITERIA

- i. **Age** 18-22 years
- ii. **Education** FSc pre Medical with minimum 60 percentage

8. DIVISION OF PROGRAM DURATION

Number of Modules: 4
Duration of a module: 16 weeks

9. CREDIT HOUR WEIGHTAGE:

63 hours

10.

SUBJECTS OF THE COURSE

Sr No	Subject	Subject code	
1	Principles of Forensic medicine	FM-01	
2	Mortuary law and ethics	ME-01	
3	Psycho social aspects of Grief	PG-01	
4	Human Anatomy	AH-01	
5	Human Physiology	PH-01	
6	Biochemistry	BC-01	
7	Mortuary care	Basic	MC-02
		Advance 1	MC-03
		Advance 2	MC-04
8	Pathology	PA-02	
9	Microbiology	MB-02	
10	Toxicology	TX-02	
11	Psychology of Death and Dying	PD-02	
12	Religious values of Death	RD-02	
13	Autopsy	Fundamentals of autopsy	FA-03
		Forensic autopsy	AU-04
14	ThanatoChemistry	TC-03	
15	Restorative Art and Embalming	RE-03	
16	Medico-legal clinic	MLC-04	
17	Radiology / Odontology	RD-04	
18	Community medicine	CM-04	

Time Table (Ist Module)

Sr.No	Days	Ist Lec (0900—1000 hrs)	2 nd Lec (1000 -1100 hrs)	3 rd Lec (1100-1200hrs) Fridays only	Break (1100-1130 hrs)	Practical (1130-1430hrs)
1	Monday	FM-01	AH-01	-		AH-01
2	Tuesday	ME-01	PH-01	-		PH-01
3	Wednesday	AH-01	PG-01	-		AH-01
4	Thursday	BC-01	PH-01	-		BC-01
5	Friday	AH-0	PH-01	BC-01		-
6	Saturday	FM-01	AH-01	-		AH-01

Subjects, Pedagogy and Credits of Module 1

Sr No	Subject title	Subject code	Duration (Lec+Practical Hours)	Lecture credits	Practical credits	Total credit of subject
1	Principles of Forensic Medicine	FM-01	32+0	2	-	2
2	Mortuary laws and Ethics	ME-01	16+0	1	-	1
3	Psycho social aspects of Grief	PG-01	16+0	1	-	1
4	Human Anatomy	AH-01	64+144	4	3	7
5	Human Physiology	PH-01	48+48	3	1	4
6	Biochemistry	BC-01	32+48	2	1	3

Total Credit Hours of the module 18 Credits

Time Table (2nd Module)

Sr.No	Days	Ist Lec (0900—1000 hrs)	2 nd Lec (1000 -1100 hrs)	3 rd Lec (1100-1200hrs) Fridays only	Break (1100-1130 hrs)	Practical (1130-1430hrs)
1	Monday	MC-02	PA-02	-		PA-02
2	Tuesday	PA-02	MB-02	-		PA-02
3	Wednesday	PA-02	TX-02	-		PA-02
4	Thursday	MC-02	PA-02	-		PA-02
5	Friday	PD-02	RD-02	TX-02		-
6	Saturday	MC-02	PA-02	-		PA-02

Subjects, Pedagogy and Credits of Module 2

Sr No	Subject title	Subject code	Duration (Lec+Practical Hours)	Lecture credits	Practical credits	Total credit of subject
1	Mortuary care	MC-02	48+0	3	-	3
2	Pathology	PA-02	80+240	5	5	10
3	Microbiology	MB-02	16+0	1	-	1
4	toxicology	TX-02	32+0	2	0	2
5	Psychology of Death and Dying	PD-02	16+0	1	0	1
6	Religious values of Death	RD-02	16+0	1	0	1

Total Credit Hours of the module 18 Credits

Time Table (3rd Module)

Sr.No	Days	Ist Lec (0800—0900 hrs)	2 nd Lec (0900 -1000 hrs)	3 rd Lec (1000-1100hrs) Fridays only	Break (1100-1130 hrs)	Practical 1 (0800-1100hrs)	Practical 2 (1130-1430hrs)
1	Monday	MC-03	FA-03	-	-	-	MC-03
2	Tuesday	-	-	-	-	MC-03	FA-03
3	Wednesday	-	-	-	-	MC-03	FA-03
4	Thursday	-	-	-	-	MC-03	FA-03
5	Friday	TC-03	RE-03	FA-03	-	-	-
6	Saturday	-	-	-	-	FA-03	RE-03

Subjects, Pedagogy and Credits of Module 3

Sr No	Subject title	Subject code	Duration (Lec+Practical Hours)	Lecture credits	Practical credits	total credit of subject
1	Mortuary care	MC-03	16+192	1	4	5
2	Fundamentals of Autopsy	FA-03	32+192	2	4	6
3	Thanatochemistry	TC-03	16+0	1	-	1
4	Restorative Art and Embalming	RE-03	16+48	1	1	2

Total Credit Hours of the module **14 Credits**

Time Table (4TH Module)

Sr.No	Days	1st Lec (0800—0900 hrs)	2 nd Lec (0900 -1000 hrs)	3 rd Lec (1000-1100hrs) Fridays only	Break (1100-1130 hrs)	Practical 1 (0800-1100hrs)	Practical 2 (1130-1430hrs)
1	Monday	-	-	-	-	MC-04	AU-04
2	Tuesday	-	-	-	-	MC-04	AU-04
3	Wednesday	-	-	-	-	MC-04	AU-04
4	Thursday	-	-	-	-	MC-04	AU04
5	Friday	CM-04	MLC-04	RD-04	-	-	-
6	Saturday	-	-	-	-	CM-04	RD-04

Subjects, Pedagogy and Credits of Module 4

Sr No	Subject title	Subject code	Duration (Lec+Practical Hours)	Lecture credits	Practical credits	Total credit of subject
1	Forensic Autopsy	AU-04	0+192	-	4	4
2	Mortuary Care	MC-04	0+144	-	3	3
3	Medico-legal clinic	MLC-04	16+48	1	1	2
4	Radiology/Odontology	RD-04	16+48	1	1	2
5	Community medicine	CM-04	16+48	1	1	2

Total Credit Hours of the module 13 Credits

FORMATIVE EVALUATIONS(For every subject after each module)

I. THEORETICAL KNOWLEDGE (Cognitive domain) 40%

- a- Knowledge Recall
- b- Interpretation knowledge
- c- Problem solving knowledge

II. PRACTICAL SKILLS (Psychomotor domain) 40%

- a. Observe
- b. Assist
- c. Do under supervision
- d. Do independently

III. LOG BOOK AND BEHAVIOUR 20%

- a. Attendance
- b. Log book
- c. Attitudes

FINAL EXAMINATION

MODULE NO	ATTENDANCE %	EARNED CREDITS	MARKS ACHIEVED	GRADE LEVEL	GRADE POINT	GRADE QUALITY POINT(Credits earned X Grade Point)	SIGNATURE OF MODULE INCHARGE
1							
2							
3							
4							
TOTAL							

FINAL RESULT

1. Average Attendance % =
2. Average Earned Credits =
3. GPA (Sum of GQP/Sum of Earned Credits) =

