



**Amrita School of Medicine**

# **Curriculum MD Forensic Medicine**

**(Revised with effect from 2016-2017 onwards)**

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# Programme Goal

The Postgraduate programme aims at imparting necessary training to a graduate so that s/he would become a competent expert in Forensic Medicine and Toxicology.

## Program Outcomes

At the end of the three year training programme, the learner should be able to:

- PO1:** Identify and categorize all types of medicolegal problems as they emerge in the community and to work to resolve such problems by planning and implementing requisite medicolegal services in Forensic Pathology, Clinical Forensic Medicine and Toxicology.
- PO2:** Utilize the knowledge and skills acquired in allied specialties such as Forensic Science, Forensic Psychiatry, Forensic Radiology, Forensic Osteology and Forensic Odontology when necessary.
- PO3:** Undertake medicolegal responsibilities and discharge medicolegal duties, which arise in day-to-day practice.
- PO4:** Keep himself/herself abreast of all recent developments and emerging trends in the field of Medical Ethics and Law.
- PO5:** Evaluate his/her professional activities, educational needs and select appropriate learning resources periodically.
- PO6:** Deal with general principles and practical problems related to clinical, emergency, environmental, medicolegal and occupational aspects of Toxicology.
- PO7:** Impart education in Forensic Medicine and Toxicology to undergraduate and postgraduate students with the help of modern teaching aids.

## Program Specific Outcomes

At the end of the training programme, the postgraduate resident should be able to:

- PSO1:** Perform medicolegal autopsy independently, prepare report and derive inferences.
- PSO2:** Interpret histopathological, microbiological, radiological, toxicological and DNA analysis and other investigative reports for medicolegal purposes.
- PSO3:** Assist and advise police in the examination of crime scenes, collection of trace evidence and scientific methods of criminal investigation.
- PSO4:** Appear as an expert witness in a Court of Law on medicolegal matters and tender evidence.
- PSO5:** Describe relevant legal/court procedures applicable to medicolegal/medical practice.
- PSO6:** Identify, examine and prepare reports in Clinical Forensic Medicine.
- PSO7:** Identify and discharge all legal responsibilities in medicolegal matters.
- PSO8:** Plan, organize and supervise medicolegal work in general/teaching hospitals.
- PSO9:** Interpret, analyze and review medicolegal reports prepared by other Medical Officers.
- PSO10:** Collect, preserve and dispatch various kinds of trace evidence to the authority concerned.
- PSO11:** Identify and articulate principles of medical ethics in relation to the patient, profession, society, state, and humanity at large.
- PSO12:** Interpret and advise authorities on matters related to Medical Ethics and the Law.
- PSO13:** Discharge duties in respect of clinical, emergency, environmental, medicolegal and occupational aspects of Toxicology.
- PSO14:** Plan, organize and manage Toxicological Laboratory services.

**PSO15:** Provide information and consultation on all aspects of toxicology to professionals, industry, Government and public at large.

**PSO16:** Able to plan, develop and manage poison information and medicolegal centers at teaching and non-teaching hospitals.

## Program Structure

Duration of the postgraduate course shall be three years, organized into six semesters. Throughout the course, the students shall be posted in Forensic Pathology, Clinical Forensic Medicine and Toxicology. Training in Forensic Sciences, Forensic Radiology, Forensic Osteology, Forensic Odontology and Forensic Psychiatry will be given apart from practicing routine medicolegal work. The postgraduate students shall be required to take part in the teaching and training programme of the undergraduate students.

The student should meticulously keep a current record of his/her academic activities, postings, attendance of conferences and CME programmes etc. in the Log Book. **It is mandatory for the postgraduate students to present a poster, a paper and to have a publication to make them eligible to appear for the postgraduate degree examination.** The Log Book should be submitted at the end of each semester to the HOD. The Log Book should be submitted to the Principal's Office at the end of 2<sup>nd</sup> and 4<sup>th</sup> semesters. It should be submitted in its final form at the end of 6<sup>th</sup> semester.

Before the end of 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> semesters, the student should present a progress report of his/her dissertation work in the department.

There will be an end-semester theory/practical examination at the end of 1<sup>st</sup> to 5<sup>th</sup> semesters and a model examination during the 6<sup>th</sup> semester. The marks of these formative assessments will be used to calculate the internal average.

### 1<sup>st</sup> Semester

#### 1<sup>st</sup> month

Orientation training

#### 2<sup>nd</sup> to 6<sup>th</sup> Months

The student should acquire basic autopsy skills and knowledge of the fundamentals of FMT, including the working of CFMU, DNA Research Lab & Toxicology Lab. S/he should attend and participate in undergraduate classes.

By the end of the third month, the student should have selected the topic for dissertation and submitted the protocol for review of Scientific and Ethics Committee. S/he should prepare the first draft of the introduction, materials and methods and review of literature by the end of first semester. It is preferable to choose topics from relatively neglected/new areas of FMT; and each PG from a batch must opt for a separate professor who is eligible to be a guide in an equitable manner.

Acquisition of relevant knowledge in other specialties as detailed below by posting in the department or through horizontal integration and innovative teaching methods.

**Anatomy:** Anatomical nomenclature. Basic Osteology. Vertebral column and Spinal cord. Gross and histological appearances of vital organs with special emphasis on Brain, Heart, Lungs, Liver, Kidney, Pelvic Organs and anatomy of Neck. Museum Techniques. Embalming. Anatomy Act.

**Pathology:** Detailed study of Injury, inflammation and Repair, Regeneration, Wound Healing. Thrombosis, and Shock.

Basics of diseases of Immune system, Infectious diseases and Environmental diseases, as well as common diseases of Blood Vessels, Heart, Kidney, Liver, Pancreas, Endocrines, Brain and Spinal Cord.

Awareness of: Techniques of Histopathological Examination. Frozen Section. Clinical Pathology procedures.

### **Microbiology**

Awareness of routine microbiological investigations. Normal bacterial flora. Bacteriology of putrefaction. Microbiology of sexually transmitted diseases. Wound infection - aerobic and anaerobic bacteria. Immunology – hypersensitivity. Food poisoning. Hospital infections. Microbiology of infections causing sudden death. Antibiotic audit.

## **2<sup>nd</sup> Semester**

The student should start data collection for dissertation work in the second semester itself. Draft of the Introduction, Review of Literature and Materials and Methods should be submitted before the end of 2<sup>nd</sup> Semester.

S/he should attend and participate in undergraduate classes.

Acquisition of relevant knowledge in other specialties as detailed below by posting in the department or through horizontal integration and innovative teaching methods.

**Physiology & Biochemistry:** Basic knowledge of circulatory, respiratory, digestive and nervous system. Acid base balance. Hemopoietic systems. Fluid and electrolyte balance. Thermoregulation. Physiology of Sexual behavior. Reproductive physiology. Awareness of Blood group analysis, Routine biochemical investigations and Modern trends in laboratory methods.

**Pharmacology:** Pharmacokinetics. Pharmacodynamics. Adverse drug reactions. Drug Safety issues. Barbiturates. Tranquilizers. Narcotics. Psychotropic Substances. Anesthetics. Drug dependence. Biomedical Research. Good Clinical Practice. Pharmaco-vigilance

## **3<sup>rd</sup> Semester**

Depending on the duration of data collection relating to dissertation work, the first draft of Observations and the Results together with Statistical analysis should be submitted at the end of 3<sup>rd</sup> or 4<sup>th</sup> Semester.

Acquisition of relevant knowledge in other specialties as detailed below by posting in the department or through horizontal integration and innovative teaching methods.

**Toxicology:** General aspects of terminology and classification of poisons, diagnosis and management of poisoning, and medicolegal aspects of poisoning. Basics of Analytical Toxicology. Basics of Caustics, Common Inorganic Elements and Heavy Metals, Poisonous Plants.

### **Odontology:**

Forensic Odontology. Bite mark identification. Determination of age and identity

**Forensic Sciences:** Scientific and investigative techniques – general principles. Evaluation of crime scene. Blood stain patterns. Biological fluids.

Awareness of: DNA analysis and Trace evidence analysis. Tool mark identification. Fire and explosion investigation. Reconstruction of vehicular accident. Forensic Ballistics. Fingerprinting. Photography. Cyber technology in crime investigation

#### 4<sup>th</sup> Semester

The completed Results of the dissertation work together with Statistical analysis should be submitted at the end of 4<sup>th</sup> Semester.

##### **Toxicology:**

Basics of Venomous Bites and Stings, Neurotoxic Poisons, Cardiovascular Poisons, Substance Abuse and Food Poisoning.

**Forensic Psychiatry:** Various Acts in relation to Forensic psychiatry. Classification of mental disorders and abnormal human behaviours. Medicolegal aspects of Mental Illness and abnormal human behaviour as regard to civil & criminal responsibilities. Rules regarding admission, treatment and discharge of mentally ill person in psychiatric hospitals. Feigned insanity. Juvenile delinquency. Restraint of mentally ill person. Study of suicide. Psychological autopsy.

**Forensic Radiology:** Adequate knowledge of Radiological procedures for solution of medicolegal problems. Forensic Radiology in identification, pathology, dentistry, child abuse, trauma, medicolegal implications of radiological procedures.

#### 5<sup>th</sup> Semester

The dissertation work should be completed by the end of 5<sup>th</sup> semester and submitted.

**Court Procedure:** Acquiring knowledge about the procedures followed in court during trial and recording of evidence.

#### 6<sup>th</sup> Semester

There will be a series of model examinations (written and practical) during the 6<sup>th</sup> semester.

#### **The Programme is divided into the Following Courses (Course Code in Brackets):**

**Paper I (Course 1: MDFM1):** Basic Sciences including Anatomy, Physiology, Biochemistry, Pharmacology, Pathology and Microbiology in relation to Forensic Medicine.

##### **Course Outcomes**

**CO1** Knowledge of the functional anatomy, physiology and pathology of vital organs and systems.

**CO2** Proficiency in histopathological techniques and interpretation of histopathological slides.

**CO3** Knowledge of the basics of microbiology and biochemistry.

**Anatomy:** Anatomical nomenclature. Basic Osteology. Vertebral column and Spinal cord. Gross and histological appearances of vital organs with special emphasis on Brain, Heart, Lungs, Liver, Kidney, Pelvic Organs and anatomy of Neck. Museum Techniques. Embalming. Anatomy Act.

**Pathology:** Detailed study of Injury, inflammation and Repair, Regeneration, Wound Healing. Thrombosis, and Shock.

Basics of diseases of Immune system, Infectious diseases and Environmental diseases, as well as common diseases of Blood Vessels, Heart, Kidney, Liver, Pancreas, Endocrines, Brain and Spinal Cord.

Awareness of: Techniques of Histopathological Examination. Frozen Section. Clinical Pathology procedures.

### **Microbiology**

Awareness of routine microbiological investigations. Normal bacterial flora. Bacteriology of putrefaction. Microbiology of sexually transmitted diseases. Wound infection - aerobic and anaerobic bacteria. Immunology – hypersensitivity. Food poisoning. Hospital infections. Microbiology of infections causing sudden death. Antibiotic audit.

**Physiology & Biochemistry:** Basic knowledge of circulatory, respiratory, digestive and nervous system. Acid base balance. Hemopoietic systems. Fluid and electrolyte balance. Thermoregulation. Physiology of Sexual behavior. Reproductive physiology. Awareness of Blood group analysis, Routine biochemical investigations and Modern trends in laboratory methods.

**Paper II (Course 2: MDFM2):** Forensic Pathology including Forensic Anthropology, Forensic Odontology and Forensic Radiology

### **Course Outcomes**

**CO1** Competency to conduct medicolegal autopsy of adult and fetus, examine skeletal remains and furnish report on the same.

**CO2** Competency to provide expert opinions from interpretation of reports and evidence from crime scene examinations and material object examination.

**CO3** Knowledge of techniques for preservation of biological samples and embalming.

### **Odontology:**

Forensic Odontology. Bite mark identification. Determination of age and identity  
Gufaston method of estimation of age

**Forensic Sciences:** Scientific and investigative techniques – general principles. Evaluation of crime scene. Blood stain patterns. Biological fluids.

Forensic psychiatry

Awareness of: DNA analysis and Trace evidence analysis. Tool mark identification. Fire and explosion investigation. Reconstruction of vehicular accident. Forensic Ballistics. Fingerprinting. Photography. Cyber technology in crime investigation

Forensic Radiology: Adequate knowledge of Radiological procedures for solution of medicolegal problems. Forensic Radiology in identification, pathology, dentistry, child abuse, trauma, medicolegal implications of radiological procedures.

Virtual autopsy

**Paper III (Course 3: MDFM3)** Clinical Forensic Medicine, Forensic Psychiatry and Toxicology

### **Course Outcomes**

**CO1** Knowledge of court procedures and the ability to provide evidence as an expert witness. Knowledge of the procedure for recording dying declaration

**CO2** Ability to furnish reports with scientific opinions based on examination of the injured, the intoxicated and the victim or the accused in medicolegal cases.

**CO3** Knowledge in management and medico-legal aspects of poisoning. Basic knowledge of analytical toxicology.

**CO4** Knowledge of the function of a poison control centre.

**CO5** Ability to examine and report on age, features of identity and bite marks in both living and dead.

Court Procedure: Acquiring knowledge about the procedures followed in court during trial and recording of evidence.

Medico legal aspects

**Toxicology:**

**Basics of Venomous Bites and Stings, Neurotoxic Poisons, Cardiovascular Poisons, Substance Abuse and Food Poisoning.**

Forensic Psychiatry: Various Acts in relation to Forensic psychiatry. Classification of mental disorders and abnormal human behaviours. Medicolegal aspects of Mental Illness and abnormal human behaviour as regard to civil & criminal responsibilities. Rules regarding admission, treatment and discharge of mentally ill person in psychiatric hospitals. Feigned insanity. Juvenile delinquency. Restraint of mentally ill person. Study of suicide. Psychological autopsy

Accidental ingestion of toxic chemicals

Poisonous plants

**Paper IV (Course 4: MDFM4)**Recent Advances related to Forensic Medicine & Toxicology and Forensic Sciences

**Course Outcomes**

**CO1** Awareness of DNA analysis and collection and despatch of trace evidences. Knowledge of scientific and investigative techniques and its principles.

**CO2** Ability to properly interpret the forensic/toxicological analysis reports and furnish opinions.

**CO3** Ability in diagnosis of mental illness and medico-legal aspects of the same. Knowledge of various mental health acts. Proficiency with the provisions on the civil and criminal responsibility of the mentally ill.

**CO4** Awareness about the application of various radiological procedures for medicolegal purpose

**CO5** Recent advances in Forensic Medicine, Forensic Science and allied subjects.

**Knowledge about new scientific and investigative techniques and the ability to properly interpret forensic reports and to give opinion. Knowledge of medico legal aspects of various mental health acts .**

**Paper IV (Course 5: MDFM5)** Soft Skills: Elective Course

**CO1** Awareness about different study designs, sample size calculation, different methods of hypothesis testing and clinical trials. Proficiency in conducting a research.

**CO2** Proficiency in different aspects of medical ethics and etiquette. Awareness about the responsibilities of being a part of a team/department.

**CO3** Proficiency in teaching and the use of various teaching aids.



# M.D Degree Examination Mark Distribution

<b>Theory</b>	-	Four papers Each of three hours duration 400 marks
<b>Paper I - 100 Marks</b>	-	Basic Sciences including Anatomy, Physiology,Biochemistry,Pharmacology, Pathology and Microbiology in relation to Forensic Medicine
<b>Paper II - 100 Marks</b>	-	Forensic Pathology including Forensic Anthropology, Forensic Odontology and Forensic Radiology
<b>Paper III - 100 Marks</b>	-	Clinical Forensic Medicine, Forensic Psychiatry and Toxicology
<b>Paper IV - 100 Marks</b>	-	Recent Advances related to Forensic Medicine & Toxicology and Forensic Sciences
<b>Practical</b>	-	200 Marks
<b>Day I</b>	-	Determination of Age: Subject/X-Ray - 20 Drunkenness / Potency Certification - 20 Examination of Injuries: Subject/Photographs - 15 Discussion on Gross Specimens- 15 Histopathology Slides Examination - 15 Analytical Toxicology Exercise - 15
<b>Day II</b>	-	Adult Autopsy/ Fetal Autopsy - 50 Examination of Skeletal Remains - 20 Expert Opinion on a Medicolegal Case - 15 Microteaching Session - 15
<b>Viva Voce</b>	-	100 Marks
<b>Total</b>	-	<b>700 Marks</b>

**AmritaVishwaVidyapeethamUniversitySchool of Medicine**

**M.D. Degree in Forensic Medicine**

**Part I - Applied Basic Sciences**

**Time 3 Hours**

**Maximum - 100 Marks**

- I** Describe the blood supply to the heart. Enumerate the types of occlusion that can occur in the coronary arteries. How will you demonstrate myocardial infarction during autopsy? **(20)**
- II** Enumerate the immune mechanisms of tissue injury. Describe the morbid anatomical findings in a case of anaphylactic death following an intramuscular injection of Procaine Penicillin. **(20)**
- III Write Short Notes:** **(60)**
1. Sudden death due to drug interaction
  2. Phases of drug trial
  3. Metabolic acidosis
  4. Gastric emptying
  5. Frozen section technique
  6. Berry aneurysms of the circle of Willis
  7. Opium derivatives
  8. Embalming
  9. Pulmonary thrombo embolism
  10. Anaerobic infection in injuries
  11. Traumatic myocarditis
  12. Cardiomyopathy

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**M.D. Degree in Forensic Medicine**

**Part II**

**Forensic Pathology**

**Time 3 Hours**

**Maximum - 100 Marks**

- I** Describe the pathophysiology of burns. How will you ascertain the cause and manner of death in the case of an extensively charred dead body recovered from a burnt hut? **(20)**
- II** A dead body of a 35 year old male was found in a deep lake with a faint ligature mark around the neck and a suicide note in his shirt pocket. What are the medicolegal investigations to be conducted to establish the cause, time and manner of death? **(20)**
- III Write Short Notes:** **(60)**
1. Diffuse axonal injury
  2. Injury triad
  3. Psychogenic causes of erectile dysfunction
  4. Holiday heart syndrome
  5. Complications of criminal abortion
  6. Trauma and tumour
  7. Disseminated intravascular coagulation
  8. Lightning injuries
  9. Transfusion reaction
  10. Temporary cavitation
  11. Dismemberment
  12. Psychological autopsy

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**M.D. Degree in Forensic Medicine**

**Part III**

**Clinical Forensic Medicine, Toxicology & Forensic Psychiatry**

**Time 3 Hours**

**Maximum - 100 Marks**

**I** An offender trespassed into the house of a 40 year old widow staying alone, assaulted and raped her. She was brought to you immediately after the occurrence. What are the medicolegal investigations you will conduct to connect the crime with the offender?

**(20)**

**II** A person was brought to the casualty in an unconscious state with miosis, bradycardia, and hypotension. How will you diagnose and manage the condition? What are your medicolegal duties?

**(20)**

**III. Write Short Notes:**

**(60)**

1. Delirium tremens
2. Cardiotoxins
3. Service as defined in the Consumer Protection Act
4. Haemodialysis
5. Cyanogenic plants
6. Mens rea
7. Corporate liability
8. Informed refusal
9. Privileged communication
10. Rosary Pea

11. Paraquat
12. Glue sniffing

**Amrita Vishwa Vidyapeetham University School of Medicine**

**M.D. Degree in Forensic Medicine**

**Part IV**

**Recent Advances in Forensic Science, Forensic Medicine and Toxicology**

**Time 3 Hours**

**Maximum - 100 Marks**

- I.** You are called to a scene of crime where a person is found dead in a pool of blood. How will you proceed to examine the body and the scene? What are the inferences that could be drawn from the spatter patterns of blood? **(20)**
  
- II.** What are the modern techniques of DNA typing? What are the advantages of mitochondrial DNA analysis? Comment on the acceptability of DNA evidence in the court of law. **(20)**
  
- III. Write Short Notes:** **(60)**
  1. Recent amendments to criminal law
  2. Virtopsy
  3. Carabelli's cusp
  4. 3D reconstruction of face
  5. Gustaffsons Technique
  6. Brain fingerprinting
  7. Prostate specific antigen
  8. Chemiluminescence test
  9. Colposcopy
  10. High Performance Liquid Chromatography
  11. Radio-active carbon estimation
  12. Forensic Sculpting

# ATTENDANCE, PROGRESS AND CONDUCT

- a) The selected candidate should exclusively work in the School of Medicine, AIMS and allied institutions. They are not allowed to work part time in any private/ Government institutions. Private practice is forbidden during this period.
- b) Each year shall be taken as a unit for calculating attendance.
- c) Every student shall attend all the academic activities as prescribed by the department and not absent himself / herself from work without valid reasons.
- d) **The performance of the student will be periodically assessed by department HODs. Theory & Practical evaluation will be done every six months by the department HODs and will be informed to Principal's Office. The 'Soft Skills' course will be assessed through 360 degree evaluation.**
- e) **A candidate can avail a total 20 days leave, but not more than 10 days at a stretch of all categories including conference leave in a calendar year, with the permission of the HOD. Leave will be prorated according to the date of commencement of the course.**
- f) 15 days study leave will be given before the beginning of the final examination (as per the College Council Meeting decision). Additionally, study leave may be taken upto 2 weeks at the end of the course, provided there is sufficient leave in credit and with the permission of HOD. Under normal circumstances, leave of one year may be carried forward to the next year up to 2 weeks.
- g) Exceptional cases, like prolonged illness or any meritorious grounds, the leave across the training programme may be clubbed together.
- h) Any other leave other than the above is not permissible and shall lead to the extension of the course.
- i) **Every candidate is required to attend a minimum of 80% of the training during each academic year of postgraduate course.**
- j) Any candidate who fails to complete the course in the manner started above shall not be permitted to appear for the University Examination.
- k) **Ladies are eligible for Maternity leave of 72 days. They will not be eligible for stipend during this period. They have to work on all Sundays and Hospital Holidays to compensate the maternity leave and they will not be eligible for casual leave in that year.**

- 1) A postgradrgraduate student would be required to present one poster, to read a paper at a national/state conference and to present one research paper which should be published/accepted for publication/sent for publication during the period of his/her postgraduate studies so as to make him/her eligible for the postgraduate degree examination.

(Performa of log book)

AMRITA VISHWA VIDYAPEETHAM  
UNIVERSITY

DEPARTMENT OF .....



*AmritaSchool of Medicine,*  
Amrita Institute of Medical Sciences  
AIMS Ponekkara P.O,  
Kochi - 682041, Kerala, India.

**LOG BOOK**

Name of the candidate:

AMRITA VISHWA VIDYAPEETHAM  
UNIVERSITY

DEPARTMENT OF .....



*AmritaSchool of Medicine,*  
Amrita Institute of Medical Sciences  
AIMS Ponekkara P.O,  
Kochi - 682041, Kerala, India.

**LOG BOOK**

Name of the candidate :

University Reg. No :





**CERTIFICATE**

This is to certify that the content of log book is a bonafide work of \_\_\_\_\_  
Reg. No. \_\_\_\_\_ MD/MS/Diploma student in Department of  
\_\_\_\_\_, Amrita School of Medicine, Amrita Institute of Medical Sciences &  
Research Centre for the Academic year \_\_\_\_\_ to \_\_\_\_\_.

**Head of the Department**



### RECORD OF PG COURSE

1. Name of the candidate :
2. Registration No. :
3. Name of Institution/Hospital : Amrita School of Medicine
4. Name of University : Amrita Vishwa Vidyapeetham
5. Duration of the Course :
6. Address : AIMS- Ponekkara, Kochi,  
Kerala-682 041
7. Department :

**Signature of Principal**

**Signature of HOD**

Date:

Place: Kochi, Kerala



**Bio-data**

**Name** :

**Permanent Address** :

Education

Course	College	Period
MBBS		
Diploma		
PG Degree		

Subject :

Date of Joining :

Provisional Reg.No :

***Thesis Research Title*** :

*Signature*

**DEPT. OF FORENSIC MEDICINE & TOXICOLOGY  
EVALUATION FORM – P.G. PRESENTATIONS**

Topic :  
Name of the Resident:  
Name of the Faculty:

Date :

S. No.	Item Assessed	Yes 1	No 0
1	Whether adequate number of <b>relevant publications</b> were cited/ consulted?		
2.	Whether adequate number of <b>relevant reference sources</b> were cited/ consulted?		
3.	Whether any <b>other advanced reference sources</b> were cited/ consulted?		
4.	Whether <b>all aspects of the topic</b> were covered?		
5.	Whether <b>questions on fundamental or basic aspects</b> of the topic were answered satisfactorily?		
6.	Whether <b>questions on higher aspects</b> of the topic were answered satisfactorily?		
7.	Whether <b>homework</b> allotted has been cleared?		
8.	Whether <b>AV aids</b> were <b>used appropriately</b> ?		
9.	Whether the presentation was <b>clear</b> and articulate?		
10.	Whether the <b>time management</b> was appropriate?		
	Remarks if any		
	<b>Total Score</b> (Tick the appropriate box below based on the total score)		
	<b>Poor (0-3)</b>		<b>Average (4-5)</b>
	<b>Good (6-8)</b>		<b>Excellent (9-10)</b>

Signature (s):



## Amrita School of Medicine

Date :

**Performa for assessment of PG residents(Diploma, Degree &Superspecialty)**

(Period : \_\_\_\_\_ Batch: \_\_\_\_\_ )

<b>Name of the Resident :</b>		
<b>Course &amp; Subject :</b>		<b>Semester :</b>
<b>Criteria</b>	<b>Max Marks</b>	<b>Marks scored</b>
<b>1. End Semester examination</b>		
• Theory	25	
• Practical / Clinical	25	
<b>2. Day to day Performance (Attitude / Sincerity, Clinical skills / Practical Skill, Team spirit, Punctuality, Obedience)</b>		
	20	
<b>3. Progress of Dissertation work/ Research activities</b>		
	10	
<b>4. Publications / Poster Presentations/ Extension activities like Medical camps/ Social activities</b>		
	10	
<b>5. Teaching &amp; Academic activities (Seminars, Symposium &amp; Teaching of Undergraduates)</b>		
	10	
<b>OVERALL SCORE (Out of 100)</b>		
<b><u>Suggestions for Improvements:</u></b>		
<b>Unit Chief</b>		<b>Head of the Dept.</b>

To : The Principal

CC : Resident