

No.AC.2(S)/785/2019-20

**NOTIFICATION**

**Sub:** Revision of syllabus of 5<sup>th</sup> & 6<sup>th</sup> semester of B.Sc. Criminology (UG) & Criminology Forensic Science (PG) course from the Academic Year 2019-20.

**Ref:** 1. Decision of Board of Studies in Criminology & Forensic Science (CB) meeting held on 19.12.2018.  
2. Decision of the Faculty of Science & Technology Meeting held on 01.04.2018.  
3. Decision of Academic Council meeting held on 07.06.2019.


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The Board of Studies in Criminology & Forensic Science (CB) which met on 19-12-2018 has recommended to revise the syllabus of 5<sup>th</sup> & 6<sup>th</sup> semester for B.S.c Criminology(UG) course and Communicative skills and Computer Application for Criminology & Forensic Science (PG) from the Academic Year 2019-20.

The Faculty of Science and Technology and Academic Council meeting held on 01-04-2019 and 07.06.2019 respectively have approved the above said proposal and the same is hereby notified.

The revised syllabus of B.Sc. & Criminology & Forensic Science course is annexed. The contents may be downloaded from the University Website i.e., [www.uni-mysore.ac.in](http://www.uni-mysore.ac.in).

Draft approved by the Registrar

*Lingappa 15/7/19*  
Deputy Registrar (Academic),  
Deputy Registrar (Academic),  
University of Mysore ✓  
R Mysore-570 005  


To:

1. The Registrar (Evaluation), University of Mysore, Mysore.
2. The Dean, Faculty of Science & Technology, DOS in Zoology, MGM.
3. The Chairperson, BOS in Criminology & Forensic Science (CB), DOS in Criminology & Forensic Science, Maharaja's college, University of Mysore, Mysore.
4. The Chairman, DOS in Criminology & Forensic Science, Manasagangotri, Mysore.
5. The Director, College Development Council, Moulya Bhavan, Manasagangotri, Mysore.
6. The Deputy/Assistant Registrar/Superintendent, AB and EB, UOM, Mysore.
7. The P.A. to the Vice-Chancellor/Registrar/Registrar (Evaluation), UOM, Mysore.
8. Office file.

**UNIVERSITY OF MYSORE**  
**CRIMINOLOGY AND FORENSIC SCIENCE**

**Syllabus With new CBCS Regulation 2018-19**  
**I Semester**

**B.A/B.Sc. Degree programme in Criminology and Forensic Science**

**PRINCIPLES OF CRIMINOLOGY**  
**QP Code: 93121**

**Marks: C1 – 10, C2 – 10**

**C3 (Main exam) -80= Total Marks – 100**

**Teaching Hours – 4 Hrs/week**

**Exam Duration: 3 Hrs**  
**LTP Credits – 4**

**Unit-I: Introduction to Criminology.**

- (a) Definition, Nature, Scope and Importance.
- (b) Relationship with other social sciences.
- (c) Criminal Law-Definition, meaning, origin and characteristics.

**Crime:**

- (a) Meaning, Definitions and Characteristics.
- (b) Classification: English Common Law, Indian Penal Code, Indian Police Crime particulars

**Unit II:**

**Schools of Criminology-I**

- (a) Pre-Scientific Schools.
  - i. Demonological School
  - ii. Free-Will, Classical and Neo-Classical Schools.
- (b) Cartographic School.
- (c) Socialistic School.

**Unit III:**

**Schools of Criminology-II**

- (a) Typological Schools:
  - i. Lombrosian.
  - ii. Mental Testers,
  - iii. Psychiatric,
  
- (b) Sociological
  - i. Imitation.
  - ii. Differential Association
  - iii. Multiple Factor Approach.

#### **Unit IV: Causes & Types of Crime.**

Social & Economic Causes

Political: Political Fusion & Crime.

Psychological: Family & Crime.

Habitual: Mass Media & Crime, Educational Institution & Crime

Professional Criminals.

White Collar criminals.

#### **Unit V: Social Problems: Meaning, Causes & Preventions.**

- (a) Juvenile Delinquency
- (b) Prostitution.
- (c) Dowry menace.
- (d) Drug abuse.

#### **BOOKS FOR REFERENCE**

##### **Name of the Author**

##### **Name of the Book**

- |                          |   |   |
|--------------------------|---|---|
| 1. Ashoka.               | : | <i>Aparadhashastra mathu nyaya vignyana</i>     |
| 2. Gireppagowdar         | : | <i>Aparadhashastra</i>                          |
| 3. Ponnian N             | : | Criminology and penology.                       |
| 4. Ram Ahuja             | : | Criminology                                     |
| 5. Rajesh M.R            | : | <i>Aparadhashastra mathu sudharana adalitha</i> |
| 6. Reckless W.C.         | : | Crime Problem                                   |
| 7. Sharma, R.N.          | : | Criminology and penology.                       |
| 8. Sethna M.J.           | : | Society and Criminal                            |
| 9. Sutherland and Cressy | : | Principles of Criminology                       |
| 10. Sirohi J.P.S.        | : | Criminology and Criminal Administration.        |

## I Semester: PRACTICAL

Code No:

Marks: C1 - 05, C2 - 05

C3 (Main exam) -30+5+5 = Total Marks - 50

Teaching Hours - 4 Hrs/week

Exam Duration: 3 Hrs

\*Each practical is of 4 hours duration (2hours practical = 1 credit) LTP Credits - 2

1. Identification of Criminologically important News Caption from a given News Paper.

Sl No	Name of the Caption	Page No	Column No

2. Identification and analysis of Crime News items reported in a Newspaper.

Sl No	Nature of Crime	Page No	Column No	Place of occurrence	Gist

3. Identification and Classification of Crimes reported in a Newspaper.

Sl No	Types of Crime	No of Crimes	Causes
1	Offences Against Human Body A B c		
2	Offences Against Property A B C		
3	Other IPC Offences A B C		
4	Miscellaneous Crimes		

4. Comparison and analysis of Crimes reported in two newspapers Published on the same date and day.

Sl No	Page No [D]	Nature of Crime [H]	Place	Page No [I]	Nature of Crime [E]	Place
1						
2						
Total						

5. Collection of news Paper Clippings on reported crime

6. Graphical representation of crimes reported in a Newspaper and crime statistics.

**II Semester: B.A/B.Sc. Degree programme in  
Criminology and Forensic Science**

**Introduction to Forensic Science  
QP Code:**

**Marks: C1 – 10, C2 – 10**

**C3 (Main exam) -80= Total Marks – 100**

**Teaching Hours – 4 Hrs/week**

**Exam Duration: 3 Hrs  
LTP Credits – 4**

**Unit I: Introduction.**

Definitions and Pioneers.  
Historical development of Forensic Science.  
Principles of Forensic Science

**Unit II: Forensic Science Laboratories.**

Organization of Directorate of Forensic Institutions State Forensic Science Laboratories.  
Divisions of Forensic Science laboratories and its Functions.  
Use of important instruments – Microscopes, Spectroscopy, SDM, Video Spectral Comparator & Invisible Rays.  
Role of experts in crime investigation and detection.

**Unit III: Trace Evidences**

- a) Hair and fiber.
- b) Glass Fractures
- c) Tool marks
- d) Paint and Soil.

**Unit IV: Forensic Ballistics.**

- a) Meaning, Classification of firearms and ammunition.
- b) Identification of firearm and the shooter.
- c) Explosives: meaning & classification Types

**Unit V: Examination of Documents and Currency.**

- a) Questioned Documents: Meaning and Types- (i) Forgeries – Meaning & Types
- b) Identification of hand written documents – Authors
- c) Differentiation of genuine and counterfeit currency coins & Notes.

## **BOOKS FOR REFERENCE.**

### **Name of the Author**

### **Name of the Book**

Anand Murthy Malaki	: Aparadha Vignyana
Ashoka	: Nyayavignyanadha acharane Mathu balipashu shastra
Gireppagowdar, B.S.	: Vaidyaki Nyayashastra matthu nyaya vignyana.
Kirk. Paul Leland.	: Criminalistics.
Nabar, B.S.	: Forensic Science
Safferstien, Richard M.	: Criminalistics.
Sharma B.R	: Forensic Science in Criminal Investigation and Trail.
Sodderman and O'Connell	: Modern /criminal Investigation.

## II Semester: PRACTICAL

Code No:

Marks: C1 - 05, C2 - 05

C3 (Main exam) -30+5+5 = Total Marks - 50

Teaching Hours - 4 Hrs/week

Exam Duration: 3 Hrs

\*Each practical is of 4 hours duration (2hours practical = 1 credit) LTP Credits - 2

1. Examination of Hair.
2. Glass Fractures.
3. Tool Marks.
4. Physical Examination of **Bullets** for- Nature, Material, size, shape, fired or extracted, number of lands and grooves, direction of twist, caliber and nature of weapon.
5. Physical Examination of **Cartridges**: nature, material, size, shape fired extracted, misfire, live or extracted, rimmed/rimless/semi rimmed, rim fire or center fire, caliber and nature of weapon.
6. Examination of Questioned Documents-Handwritten analysis
7. Physical examination of coins
8. Examination of Currency notes.



**III Semester: B.A/B.Sc. Degree programme in  
Criminology and Forensic Science**

**Law of prints and Impressions  
QP Code:**

**Marks: C1 – 10, C2 – 10**

**C3 (Main exam) -80= Total Marks – 100**

**Teaching Hours – 4 Hrs/week**

**Exam Duration: 3 Hrs  
LTP Credits – 4**

**Unit I: Introduction to fingerprints**

- a) Meaning, importance and historical development.
- b) Principles of Dactyloscopy.
- c) Organization of State and Central Fingerprint Bureaus.

**Unit II: Identification and Classification of Patterns**

- a) Recording of fingerprints.
- b) Identification of patterns and ridge characteristics.
- c) Henry's Primary and Secondary Classification.

**Unit III: Chance Prints**

- a) Meaning & Types.
- b) Development of Chance Prints – Powder, Liquid & Gaseous Method
- c) Recent Developments – Lifting & Preservation.

**Unit IV: Footprints.**

- a) Meaning, importance.
- b) Types of footprints.
- c) Methods of recording and lifting.
- d) Gait pattern.

**Unit V: Tyre Impressions.**

- a) Meaning and importance in crime investigation.
- b) Methods of recording and lifting.
- c) Skid marks and its importance.

## BOOKS FOR REFERENCE

<u>Name of the Author</u>	<u>Name of the Book</u>
1. Bridges, Vollmer and Monair.	: Practical Fingerprinting
2. Chatterji S.K.	: Finger, palm and sole prints.
3. Eshwara Yeneera	: Beralu Mudregalu
4. Goyal and Kapoor	: Scientific aid to fingerprinting.
5. Surendranath	: Fingerprints.
6. Venkiah	: Law of Prints and Impressions

### III Semester: PRACTICAL - 3 Code No:

**Marks: C1 - 05, C2 - 05**

**C3 (Main exam) -30+5+5 = Total Marks - 50**

**Exam Duration: 3 Hrs**

**Teaching Hours - 4 Hrs/week**

**\*Each practical is of 4 hours duration (2hours practical = 1 credit) LTP Credits - 2**

1. Recording of fingerprints.
2. Identification of patterns and ridge characteristics.
3. Primary and Secondary Classification of finger prints.
4. Development of fingerprints.
5. Tracing of Footprints.
6. Taking of Plaster cast of sunken footprints/Tyre impression.

## **SKILL ENHANCEMENT COURSE (SEC) COMPULSORY PAPER**

### **FIELD WORK / PROJECT**

**III Semester**

**Code No:**

**Marks: C1 – 05, C2 – 05**

**C3 (Main exam) -30+5+5 = Total Marks – 50**

**Exam Duration: 3 Hrs**  
**Teaching Hours – 2 Hrs/week**

**\*Each practical is of 4 hours duration (2hours practical = 1 credit) LTP Credits – 2**

### **FIELD WORK**

#### **Topics for fieldwork:**

1. Crime in urban and rural areas.
2. Railway crimes.
3. Study on violent crimes.
4. Prison administration.
5. Police administration.
6. Police training.
7. Police-Community relations
8. Police help-line.
9. Forest crimes.
10. Criminal personality tendencies- groups; tribes.
11. P.O. Act- released offenders on probation.
12. Prisoners Act- Released convicts.
13. Victims of Crime.
14. Communal violence.
15. Juveniles in conflict with law.
16. Child labor.
17. Drug abuse
18. Voluntary agencies.
19. Ragging.
20. Economic offences.
21. Cyber crimes.
22. Prostitution- sex workers.
23. Human Rights.
24. Female criminality.
25. Crimes against women.
26. Crimes against children.
27. Mass media and crime.

28. Case Studies.
29. Pornography.
30. Crimes against weaker sections.
31. Cyber Crimes.
32. Habitual Criminals
33. Consumer Protection.

**IV Semester: B.A/B.Sc. Degree programme in  
Criminology and Forensic Science**

**Law of Crimes  
QP Code:**

**Marks: C1 – 10, C2 – 10**

**C3 (Main exam) -80= Total Marks – 100**

**Teaching Hours – 4 Hrs/week**

**Exam Duration: 3 Hrs  
LTP Credits – 4**

**Unit I: Introduction to Indian Penal Code**

- a) Historical development.
- b) General Explanations (Ss.19, 21-25,28-30, 34-38 and S.52).
- c) General Exceptions (Ss.76-106.)

**Unit II: Offence against Persons.**

- a) Culpable Homicide and Murder (Ss.299-304, 304 A & B and 307.).
- b) Hurt- Simple and Grievous (Ss.319-325).
- c) Kidnapping and Abduction. (359-363), Rape (Ss.375, 376.)

**Unit III: Offences against property**

- a) Theft and Extortion (Ss.378-384).
- b) Robbery and Dacoity (Ss.390, 391-395.)
- c) Cheating, Criminal trespass and House Breaking. (Ss.415-420, 441-447)

**Unit IV: Code of Criminal Procedure**

- a) Introduction, organization and powers of Criminal Law Courts in India.
- b) Police powers of arrest, search and seizure.
- c) Provisions regarding bail and bond, summons, warrants and proclamations.

**Unit V: Indian Evidence Act.**

- a) Historical development and Meaning.
- b) Admissions, Confessions and Dying Declarations.
- c) Experts, Oral and Documentary Evidence.

**BOOKS FOR REFERENCE**

**Name of the Author**

**Name of the Book**

1. Rathan Lal and Dhiraj Lal : Indian Penal Code
2. Rathan Lal and Dhiraj Lal : Code of Criminal Procedure.
3. Rathan Lal and Dhiraj Lal : Indian Evidence Act.
4. EBC Criminal Manual

**IV Semester: PRACTICAL - 4**

**Code No:**

**Marks: C1 - 05, C2 - 05**

**C3 (Main exam) -30+5+5 = Total Marks - 50**

**Exam Duration: 3 Hrs**

**Teaching Hours - 4 Hrs/week**

**\*Each practical is of 4 hours duration (2hours practical = 1 credit) LTP Credits - 2**

**1. Preparation of Simulated Summons**

- a) To accused.
- b) To witness.
- c) To produce a document or a thing. Petty Offence

**2. Preparation of Simulated Warrants.**

- a) Warrant of arrest to an accused.
- b) Warrant of arrest to a witness.
- c) Warrants of search a suspected place of deposit
- d) Warrants of seizure.

**3. Preparation of Proclamations.**

- a) To accused.
- b) To witness.

**4. Visit to Court of Law & Preparation of Report**

**SKILL ENHANCEMENT COURSE (SEC) COMPULSORY PAPER**

**IV SEMESTER**

**FORENSIC PSYCHOLOGY/INTERNSHIP**

**Marks: C1 - 5, C2 - 5**

**C3 (Main exam) -40= Total Marks - 50**

**Teaching Hours - 2 Hrs/week**

**Exam Duration: 3 Hrs**

**LTP Credits - 2**

**B.A/B.Sc. Degree programme in  
Criminology and Forensic Science**

**V Semester: Paper 1 - POLICE ADMINISTRATION  
QP Code:**

**Marks: C1 – 10, C2 – 10**

**C3 (Main exam) -80= Total Marks – 100**

**Teaching Hours – 4 Hrs/week**

**Exam Duration: 3 Hrs  
LTP Credits – 4**

**Unit I: Introduction**

- a) Historical development of (a) Ancient, (b) Medieval and (c) Modern Indian Police.
- b) General organization of the State Police-Administrative hierarchy and the Ranges.
- c) Special units:
  - 1. **C I D**- Organization and functions of various branches
    - a) Economic Crime Wing – Cyber division
    - b) Intelligence Wing.
    - c) Training wing
    - d) Technical Services - SCRB, FSL, FPB.
  - 2. DCRE, KSRP, GRP, Forest & Food Cell,

**Unit II: Central Police Organizations**

Organizational set up and functions of

- a) Line Units:- Assam Rifles; CRPF; BSF; ITBP; CISF; RPF; NSG & SPG.
- b) Staff Units: - BPR&D – NCRB, SVNPA, LNJNIKFS,CDTS,
- c) Directorate of Forensic Sciences- CFSL, CFPB, GEQD, DNA fingerprint unit.
- d) Mixed Units:- CBI, IB & R and A Wing.

**Unit III: Police Station**

- a. Meaning & establishment of a Police Station – Rural; Urban and Metropolitan (As per Police Manual).
- b. Types & functions of different kinds of police stations.
  - I. Civil Police Station.
  - II. Traffic Police Station.
  - III. Women Police Station.



c. Crime control records maintained in the Police Stations.

**Unit IV: Crime prevention.**

- a) Police methods: E-Beat, Patrolling, Surveillance and Criminal Intelligence.
- b) Voluntary agencies in crime prevention.
- c) Police Relationship with Media & other related departments.
- d) Auxiliary Units: - Civil Defense, V D P's and Special police Officers Wing.

**Unit V: Human Rights and Police Public relationship**

- a) Brief History of Human Rights.
- b) Police as protector of human rights.
- c) Human Right Commissions & Human Right Protection Act (Salient features)
- d) Community Policing - Police-Public relations, Police relationship with – Media & other Departments.

**BOOKS FOR REFERENCE**

<u><b>Name of the Author</b></u>	<b>:</b>	<u><b>Name of the Book</b></u>
1. Ashoka	:	Polisu Adalitha
2. Bailey	:	Police and Politics in India
3. Gupta	:	Police in India.
4. Giriraj Shah	:	Indian Police – A Retrospect.
5. Human Rights Bulletin.	:	By Human Rights Commission.
6. James Vadakumchary	:	Human Rights and Police in India.
7. Mahajan	:	Indian Police.
8. Mehertaj Begum	:	District Police Administration
9. Ramanujam T	:	Prevention and Detection of Crime.
10. Shankar Sen.	:	Indian Police Today.
11. Sharma P. D	:	Police and Political Order in India.
12. Venugopala Rao	:	Police Administration.

B.A/B.Sc. Course in  
**Criminology and Forensic Science**

**V Semester: Paper 2 - CORRECTIONAL ADMINISTRATION**

**Marks: C1 – 10, C2 – 10**

**C3 (Main exam) -80= Total Marks – 100**

**Teaching Hours – 4 Hrs/week**

**Exam Duration: 3 Hrs**

**LTP Credits – 4**

**Unit I: Introduction**

- a) Historical Development of Penology and Definitions of Punishment.
- b) Concepts of correctional administration
- c) Theories of punishments: Retributive, Prevention, Deterrence and Reformative.

**Unit II: Punishment.**

- a. Corporal
- b. Imprisonment.
- c. Fine and forfeiture of property
- d. Capital punishment.

**Unit III: Prison.**

- a) Historical development of Indian prisons.
- b) Prison administration- Classification of prisons & Prisoners.**
- c) Non-institutional programmes- Probation; Parole and After-Care & Functions.
- d) Juvenile Correctional Institutions**

**Unit IV: Unusual problems in Correctional Institutions.**

- a) Homosexuality.
- b) Custodial relations**
- c) Prison Violence – Human Rights Violation.**
- d) Psychotherapy - Client- Centered therapy and Free Association.**
- e) Treatment of Prisoners

**Unit V: Victimology.**

- a) Meaning, development and importance.
- b) Typology of victims
- c) Victimization factors & Victim Compensation.

## **BOOKS FOR REFERENCE**

<b><u>Name of the Author</u></b>	<b><u>Name of the Book</u></b>
Ashoka.	: Aparadhashastra mathu nyaya vignyana
Gireppagowdar	: Aparadhashastra
Paranjape	: Criminology & Penology
Ponnian N	: Criminology and penology
Rajesh M.R	: Aparadhashastra mathu sudharana adalitha
Reckless W.C.	: Crime Problem
Sethna M.J.	: Society and Criminal.
Sirohi J.P.S.	: Criminology and Criminal Administration.
Sharma, R.N.	: Criminology and penology.
Srivatsava	: Criminology & Correctional Administration.
Sutherland and Cressy	: Principles of Criminology

### **V Semester: PRACTICAL COMPULSORY PAPER**

**Code No:**

**Marks: C1 – 05, C2 – 05**

**C3 (Main exam) -30+5+5 = Total Marks – 50**

**Exam Duration: 3 Hrs**

**Teaching Hours – 4 Hrs/week**

**\*Each practical is of 4 hours duration (2hours practical = 1 credit) LTP Credits – 2**

1. Portrait Parle Building System (PBS)
2. Analysis of Crime Statistics-Tabular Method.
3. Graphical representation by Line Drawing, Bar Diagram and Histogram.
4. Giving of Information to Police.(Any three different types of IPC Cases)
5. Registration of FIR. (Any three different types of Crimes)
6. Visit to police station or allied institutions and submission of report.

**B.A/B.Sc. Course in  
Criminology and Forensic Science**

**V Semester: ELEMENTS OF FORENSIC SCIENCE**

**Marks: C1 - 5, C2 - 5**

**C3 (Main exam) -40= Total Marks - 50**

**Teaching Hours - 2 Hrs/week**

**Exam Duration: 3 Hrs  
LTP Credits - 2**

**B.A/B.Sc. Course in  
Criminology and Forensic Science**

**V Semester: FORENSIC BALLISTICS**

**Marks: C1 - 5, C2 - 5**

**C3 (Main exam) -40= Total Marks - 50**

**Teaching Hours - 2 Hrs/week**

**Exam Duration: 3 Hrs  
LTP Credits - 2**

**B.A/B.Sc. Course in  
Criminology and Forensic Science**

**VI Semester: Paper 1 – POLICE SCIENCE – TECHNIQUES OF CRIME INVESTIGATION**

**Marks: C1 – 10, C2 – 10**

**C3 (Main exam) -80= Total Marks – 100**

**Teaching Hours – 4 Hrs/week**

**Exam Duration: 3 Hrs  
LTP Credits – 4**

**Unit I: Introduction**

- (a) Investigation- Meaning & importance.
  - a) Tools of Investigation.
  - b) General procedure of Investigation of a Cognizable offence.
  - c) Qualities of an Investigating Officer.

**Unit II: Scene of Crime**

- a) Meaning and types
- b) Methods of search.
- c) Collection and preservation of Physical clues.

**Unit III: Methods of investigation of:**

- (a) Murder; (b) Suicide; (c) Burglary; (d) Traffic accidents.

**Unit IV: Methods of Interview and Interrogation.**

- a) Types of witnesses and methods of their interview.
- b) Interrogation of suspects.
- c) Scientific approach to interrogation- Polygraph; Narco analysis, Brain Finger Printing.

**Unit V: Observation and identification.**

- a) Sketching and Photography & Videography.
- b) Portrait Parle.
- c) M.O. Index
- d) Identification parade.

## BOOKS FOR REFERENCE

<u>Name of the Author</u>	<u>Name of the Book</u>
Ramanujan P.	: Prevention Detection of Crime
Sullivan	: Police Science.
Swenson and Wendell	: Techniques of Crime Scene Investigation.
De Angeles	: Crime Scene Investigation.
Sodderman and O'Connell	: Modern Criminal Investigation.
Horgan	: Criminal Investigation.
Sheshagiri Rao	: Prevention and Detection of Crime.

### VI Semester: PRACTICAL - 1 Code No:

**Marks: C1 - 05, C2 - 05**

**C3 (Main exam) -30+5+5 = Total Marks - 50**

**Exam Duration: 3 Hrs**

**Teaching Hours - 4 Hrs/week**

**\*Each practical is of 4 hours duration (2hours practical = 1 credit) LTP Credits - 2**

### **Police Science - Techniques of Crime Investigation.**

1. Kim's Game.
2. Examination of Crime Scene of a) Murder, b) Suicide, c) Burglary,  
d) Traffic Accidents
3. Sketching.
4. Neat Sketching and Reconstruction of Crime Scene.
5. Handling, Packing and Forwarding of material evidence of articles with a)  
Fingerprints; b) Fingerprints and Blood stains; c) Blood stained Cloth;  
d) Hair sample; e) Bullets/cartridge case, f) Suspected liquid.

**B.A/B.Sc. Course in  
Criminology and Forensic Science**

**VI Semester: Paper 2. INTRODUCTION TO FORENSIC MEDICINE.**

**Marks: C1 – 10, C2 – 10**

**C3 (Main exam) -80= Total Marks – 100**

**Teaching Hours – 4 Hrs/week**

**Exam Duration: 3 Hrs**

**LTP Credits – 4**

**Unit I: Introduction**

- (a) Definitions, meaning and historical development.
- (b) Inquest: Police, Magistrates and Medical Examiners System.
- (c) Personal identification of the living.

**Unit II: Wounds & Injuries**

- (a) Meaning & types of Wounds and injuries;
- (b) Characteristics and Medico-legal importance of wounds and injuries;
- (c) Examination of Human Skeleton determination of age & Sex.

**Unit III: Death**

- (a) Meaning and modes of death
- (b) Changes after death.
- (c) Asphyxial death: Meaning, types & Medico-legal importance of hanging, Strangulation and drowning.

**Unit IV: Body Fluids and DNA.**

- (a) Blood.
- (b) Semen.
- (c) D N A Profiling.

**Unit V: Toxicology**

- (a) Poisons-Meaning and Definition.
- (b) Classification of poisons – Origin based.
- (c) Signs, symptoms and Medico legal importance of Arsenic, Alcohol, Barbiturates, Cyanide, Datura, Opium and Organo -Phosphorus poisons.

**BOOKS FOR REFERENCE:**

- |                       |   |
|-----------------------|---|
| 1. Modi Dr.           | : Medical Jurisprudence and Toxicology. |
| 2. Narayana Reddy Dr. | : Synopsis of Forensic Medicine.        |
| 3. Parikh. Dr.        | : Medical Jurisprudence and Toxicology  |
| 4. Pillai V. V. Dr.   | : Toxicology.                           |



5. Nagaloti Math : Kanoonu vydyakiya Shastra.  
6. Ashoka : Police Vignyana mathu nyaya vidyakiya shastra

**VI Semester: PRACTICAL COMPULSORY PAPER**

**Code No:**

**Marks: C1 - 05, C2 - 05**

**C3 (Main exam) -30+5+5 = Total Marks - 50**

**Exam**

**Duration: 3 Hrs**

**Teaching Hours - 4 Hrs/week**

**\*Each practical is of 4 hours duration (2hours practical = 1 credit)**

**LTP**

**Credits - 2**

1. Preliminary examination of blood.

- (a) Benzidine Test.
- (b) Leucomalachite Test.

2. Confirmatory Tests

- a) Tiechman's Test.
- b) Takayama's Test.
- c) R B C .
- d) Haemotoporophyrin Test
- e) Blood Grouping.

3. Examination of Skeletal remains for age and sex determination.

4. Examination of models for identification of the characteristics of wounds and injuries.

**B.A/B.Sc. Course in  
Criminology and Forensic Science**

**VI Semester: FORENSIC TOOLS OF INVESTIGATION.**

**Marks: C1 - 10, C2 - 10**

**C3 (Main exam) -80= Total Marks - 100**

**Teaching Hours - 4 Hrs/week**

**Exam Duration: 3 Hrs**

**LTP Credits - 4**

**B.A/B.Sc. Course in  
Criminology and Forensic Science**

**VI Semester: FINGER PRINT SCIENCE**

**Marks: C1 - 5, C2 - 5**

**C3 (Main exam) -40= Total Marks - 50**

**Teaching Hours - 2 Hrs/week**

**Exam Duration: 3 Hrs**

**LTP Credits - 2**

**B.A/B.Sc. Course in  
Criminology and Forensic Science**

**VI Semester: CRIMINAL PATTERNS**

**Marks: C1 - 5, C2 - 5**

**C3 (Main exam) -40= Total Marks - 50**

**Teaching Hours - 2 Hrs/week**

**Exam Duration: 3 Hrs  
LTP Credits - 2**