

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 0522]

MAY 2022

Sub. Code: 2048

M.D. DEGREE EXAMINATION

BRANCH XIV – FORENSIC MEDICINE

**PAPER II – FORENSIC PATHOLOGY, FORENSIC IMMUNOLOGY AND
FORENSIC BIOCHEMISTRY**

Q.P. Code: 202048

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 15 = 30)

1. Define Thanatology. Discuss in detail about thanato chemistry and its application in estimating time since death.
2. Discuss the advantages and disadvantages of autopsy done by a board of doctors. What measures do you suggest for improvement of the system.

II. Short notes:

(10 x 5 = 50)

1. What is chronic traumatic encephalopathy? Discuss the gross features of CTE.
2. Rhin layer chromatography.
3. Forensic photography.
4. Write a note on HLA and its application in organ transplantation.
5. Spectroscopic examination.
6. Cerebral edema.
7. Write a note on age of fractures.
8. Autopsy findings in aviation injuries.
9. Role of immunological assays in poison detection.
10. Acroreaction.

III. Reasoning Out:

(4 x 5 = 20)

1. Medical Indemnity Insurance - necessary.
2. Fluid blood in right heart.
3. Virginitiy after death.
4. Heat changes hair colour.
