

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

[LR 1220]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 2611

**DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY
SECOND YEAR – (Regulation from 2014 -2015 & 2018-2019)
PAPER I – CLINICAL BIOCHEMISTRY, PATHOLOGY & HISTOPATHOLOGY
Q.P. Code: 842611**

Time: Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe in detail about Liver Function Tests.
2. Classify Anticoagulants. Write in detail about various Anticoagulants used in hematological investigations with its advantage and disadvantage.
3. Elaborates on collection and examination of cerebrospinal fluid.

II. Write notes on:

(10 x 5 = 50)

1. Leishman stain preparation and its procedure for staining. Mention its advantage and disadvantage.
2. EDTA.
3. Write about techniques in Frozen section and its uses.
4. Parasites in stool.
5. Write in detail about the artifacts in cutting and Methods to rectify it.
6. Sickle test.
7. CSF Analysis.
8. Perl Stain.
9. Reticulocyte Count.
10. Transfusion Reactions.

III. Short answers on:

(10 x 2 = 20)

1. Name Romanowsky stains used in Hematology.
2. Name two anticoagulant used in blood bank for storage of blood component.
3. knife sharpening techniques used in histopathology.
4. BEERS Law.
5. Tissue embedding media.
6. Differences between Serum and Plasma.
7. Name causes for eosinophilia
8. Morphology and Life span of Neutrophil.
9. Name four Preservatives for Urine sample.
10. Write about RBC Pipette.
