

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)**

B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE EXAMINATION

September 2021

Second Year

PATHOLOGY - II

Time: Three hours

Maximum: 75 marks

I. Write an Essay on any ONE of the following: (1 x 20 = 20)

1. Write in detail about investigation of patient with autoimmune hemolytic anemia.
2. Write in detail about application of automation in histopathology.

II. Write short notes on any TWO of the following: (2 x 10 = 20)

3. Scanning electron microscopy.
4. Investigation on a G6PD deficiency
5. Fnac preparation and stain
6. Platelet function test.

III. Write short answers on any SEVEN of the following: (7 x 5 = 35)

7. Reticulocyte staining and counting.
8. Red cell indices
9. Special stain for lipids.
10. Fibrin Degradation Products (FDP)
11. Integrated Child Development Services (ICDS) coding.
12. Partial Thromboplastin Time (PTT).
13. Dark ground microscopy
14. HBA2
15. Microtome
16. Formed elements in blood and their function.