

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

**B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE EXAMINATION
March 2019
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. Define Anemia, Write the classifications of Anemia. Explain causes, clinical features and investigation of megaloblastic anemia.
2. Explain about collection of blood and anticoagulants used in coagulation studies.

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

3. Explain microtome knives and its types.
4. Osmotic fragility test.
5. Platelet function test.
6. Explain about stem cells in detail.

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

7. Reticulocyte count.
8. Platelet function test.
9. Explain PAS and APTT.
10. Tests for autoimmune hemolytic anemia.
11. Schilling Test.
12. Haemoglobin electrophoresis.
13. Microtomes.
14. ESR.
15. Bone Marrow biopsy.
16. Determination of PTT and PT.