

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

**MBBS DEGREE EXAMINATION – August 2019
SECOND YEAR**

PATHOLOGY – PAPER I

Time : Three hours

Maximum : 50 marks

**Answer ALL questions
Draw diagrams wherever necessary**

SECTION – A

I. Write essay on : (1 x 8 = 8)

1. Define shock. Describe the pathogenesis of septic shock. Describe the morphology of organs affected in septic shock.

II. Write short notes on : (4 x 3 = 12)

2. Dystrophic calcification
3. Granuloma
4. Air embolism
5. Primary Amyloidosis.

III. Answer briefly : (5 x 1 = 5)

6. List two chemokines
7. List two arachidonic acid metabolites
8. List two hypercoagulable states
9. List two immune complex mediated disease
10. Russell bodies.

SECTION – B

I. Write essay on : (1 x 8 = 8)

11. Define hemolytic anemia. Describe the pathogenesis molecular defect in sickle cell anemia. List the investigations.

II. Write short notes on : (4 x 3 = 12)

12. Von Willebrand disease
13. Agranulocytosis
14. Immune thrombocytopenic purpura
15. Peripheral blood picture of chronic myeloid leukemia.

III. Answer briefly : (5 x 1 = 5)

16. Auer rod
17. List two red blood cell indices
18. Heinz bodies
19. List two Poikilocytes
20. List two causes of eosinophilia.