

Sl.No.M2247

Course Code: 1160303

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

M.D. DEGREE EXAMINATION – July 2021

BIOCHEMISTRY

**PAPER III: CLINICAL BIOCHEMISTRY AND DIAGNOSTIC
TECHNIQUES**

Time: Three hours

Total Marks : 100

Answer ALL questions

SECTION - A

Write essay on :

(1 x 20= 20)

1. Discuss in detail about the causes, types compensatory mechanisms and laboratory findings of metabolic Acidosis and Alkalosis.

Write short notes on :

(5 x 6 =30)

2. Hypokalemia.
3. Microalbuminuria.
4. Laboratory assessment of a case of growth retardation.
5. Investigations of hypoglycemia.
6. Thyroid function tests.

SECTION - B

Write essay on:

(1 x 20= 20)

7. Write in detail about liver function tests.

Write short notes on:

(5 x 6 = 30)

8. CSF analysis.
9. Frederickson's classification of Dyslipoproteinemia and types, defect and biochemical findings.
10. Multiple myeloma and its laboratory investigations.
11. Porphyrrias and its laboratory assessment.
12. Neonatal screening.
