

Sl.No.M2246

Course Code:1160302

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

M.D. DEGREE EXAMINATION – July 2021

BIOCHEMISTRY

**PAPER II : ENZYMES, INTERMEDIARY METABOLISM AND
NUTRITION**

Time: Three hours

Total Marks : 100

Answer ALL questions

SECTION - A

Write essay on :

(1 x 20= 20)

1. Write in detail about the various complexes of Electron Transport Chain and its inhibitors.

Write short notes on :

(5 x 6 =30)

2. One carbon Pool.
3. Protein Energy malnutrition.
4. Fatty Liver.
5. Prostaglandins.
6. Explain Futile cycles in metabolic pathways with examples.

SECTION - B

Write essay on :

(1 x 20= 20)

7. Write in detail about the catabolism of Phenylalanine. Add a note on the disorders associated with it.

Write short notes on:

(5 x 6 = 30)

8. Iron Absorption.
9. Enzymes and Proteins elevated in myocardial infarction.
10. Salvage pathway of purines and the disorders associated with it.
11. Heme Synthesis.
12. Phase II Reactions of Xenobiotics.
