

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

**M.Sc(RENAL DIALYSISTECHNOLOGY) DEGREE EXAMINATION –
December 2021
First Semester
PHYSIOLOGY**

Three Hours

Maximum: 100 marks

I. Write an Long essay on: (3 x 20 = 60)

1. Describe the biosynthesis, actions and regulation of thyroxine. Mention the hypothyroid disorders. .
2. What is the normal blood calcium level? Describe the mechanisms by which blood calcium is maintained within the normal range. Describe the clinical features of hypocalcaemia.
3. Explain the process of urine formation.

II. Write short essay on : (4 x 10 = 40)

4. Physiological basis of peritoneal dialysis
5. Renal changes in pregnancy
6. Clinical abnormalities of acid base balance
7. Acromegaly.

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