Course Code: 1160303

#### Sl.No. M21230

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

### **M.D. DEGREE EXAMINATION - April 2019**

# **BIOCHEMISTRY**

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

Time: Three hours

Maximum: 100 marks

### **Answer ALL questions**

#### **SECTION - A**

 $(1 \times 20 = 20)$ 

1. Define pH. Write in detail about the renal regulation of pH. Write about the causes and laboratory findings in metabolic and respiratory acidosis.

II. Write short notes on:		$(5 \ge 6 = 30)$
2.	Hyponatremia.	
3.	Laboratory investigations in a case of diabetic ketoacidosis.	
4.	Hyperuricaemia	
5.	Thyroid function tests	
6.	Wilson's disease and its laboratory findings.	
SECTION - B		
I. Essay:		$(1 \times 20 = 20)$
7.	Write in detail about Renal function Tests.	
II. Write short notes on:		$(5 \ge 6 = 30)$
8.	Laboratory findings in different types of jaundice.	
9.	CSF analysis	
10.	Neonatal screening	
11.	Automation in clinical laboratory	
12.	Rickets and its laboratory findings.	
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I. Essay:

 $(5 \times 6 - 30)$