

**ST.JOSEPH'S COLLEGE OF ARTS AND SCIENCE. CUDDALORE  
(AUTONOMOUS)**

**PG & RESEARCH DEPARTMENT OF BIOCHEMISTRY**

**SUBJECT:** Advanced Clinical Biochemistry

**SUB CODE:** PBC909S

**SUBJECT HANDLED:** Mrs.D.Leema Rose Mary & Mrs.S.Seethalakshmi

1. What are gall stones?
2. What are the clinical symptoms of Niemann-pick diseases?
3. What are isoenzyme?
4. Why TSH – Stimulation test is performed?
5. Why cystinuria occurs?
6. Define : Isoenzyme
7. What is GTT ?
8. Define hypoacidity ?
9. what is glomerlonephirits ?
- 10.What are renal calculi?
11. What is renal threshold?
- 12.What is TFT?
- 13.Azure A test used to asses which system
- 14.What is PBI?
- 15.Define thalassemsia
- 16.What is diabetic retinopathy?
- 17.What is Gauher 's disease?
- 18.Define maple syrup urine disease
- 19.What do you mean by NPN?
- 20.What is HBA1c ?
- 21.Define gruel
- 22.What is BSP?
- 23.What are bile pigments?
- 24.Define PSP?
- 25.Define clearance.

**Section –B (5 MARKS)**

1. Classify Diabetes mellitus.
2. Explain about acute Diabetes complication .
3. Give an account on anaemia types.
4. Explain renal stones with its types.
5. Give an account on creatinine clearance test and discuss its significance

6. What is Phenylketonuria? Give an account on its signs and symptoms
7. What is metyrapone test? Give an account on the same.
8. Write short note on different types of anemia
9. Discuss about metyone test.
10. Shortly explain Lipid storage diseases.
11. Explain the factors that influencing renal stones.
12. Write a short note on tyrosinosis.
13. Give a brief note on myocardial infraction.

**SECTION –C (10 MARKS)**

1. Discuss about Diabetes Melitus and its complications
2. Write a detailed account on Liver function tests.
3. Describe the role of tissue and hormones in the maintenance of blood sugar
4. List out the different thyroid function tests and explain briefly
5. How do enzyme help in clinical diagnosis of disease?
6. Describe jaundice and its types with its clinical manifestations and findings
7. Explain brief how thyroid function is tested
8. What are inborn errors in metabolism ? Explain any three with its signs, symptoms and treatment ?
9. Elaborate on lipid storage disease with its type
10. Comment on type of GTT
11. Explain the clinical features of fatty liver.
12. List out the different renal function tests & its interpretations
13. Give an the account on causes and treatment of atherosclerosis
14. Explain the clinical features of fatty liver
15. Explain about the methods used to diagnose adrenal gland functions.
16. Explain the following :
  - a) Thalassaemia
  - b) Sickle cell anaemia
  - c) Fatty acid
  - d) Artherosclerosis.
17. Briefly discuss about lipidoses with suitable examples.
18. Describe the role of tissue and hormones in the maintenance of blood sugar.

19. Describe jaundice and its type with its clinical manifestation and findings.

20. Detail about maple syrup diseases and Fanconi Syndrome.