

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2019
(Sixth Semester)

Branch - **BIOCHEMISTRY**

CORE ELECTIVE - II CLINICAL BIOCHEMISTRY

Time : Three Hours

Maximum ; 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 2 = 20)

- 1 Define Galactosemia.
- 2 Mention the complications of diabetes mellitus.
- 3 What is steatorrhea?
- 4 Write a note on Niemann - Pick's disease.
- 5 List out the enzyme markers of liver disorders.
- 6 What is phenylketonuria? Name the enzyme deficiency.
- 7 Write about the significance of icterus index.
- 8 How will you diagnose Gilbert's disease?
- 9 Define Goiter.
- 10 What are the types of Adrenocorticosteroids?

SECTION - B (25 Marks!)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Define hyper glycemia. What are the causes leading to hyperglycemia.
OR
b Explain the causes and effects of MC - Ardle and Forbe's diseases.
- 12 a Bring out the possible relationship between the lipids and antherosclerosis.
OR
b Write a short note on abeta lipoproteinemia.
- 13 a Give a brief account on maple syrup urine diseases.
OR
b Explain the basic defect and consequences associated with Hartnup's disease.
- 14 a Comment on orotic acid uria.
OR
b Describe the biochemical abnormalities and clinical manifestations, of Dubin Johnson's disease.
- 15 a Discuss about the defect and clinical features of Addison's disease.
OR
b Explain the analysis of plasma and urine catecholamines.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Discuss the procedure of GTT and interpret the results.
- 17 What is Atherosclerosis? Explain its pathophysiology and treatment.
- 18 Discuss about the defect, clinical manifestations, types and treatment of Albinism.
- 19 Describe the biochemical abnormalities, diagnosis and treatment of Gout.