

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2018
(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 What are the complications of Diabetes mellitus?
- 2 . Define Fructosaria.
- 3 Mention the action of LCAT.
- 4 Name the defect in Tay-sach's disease.
- 5 How will you diagnose cystinuria?
- 6 List out the enzyme markers of liver disorders.
- 7 Define Gout.
- 8 Write about the types of Jaundice.
- 9 What is Hypothyroidism?
- 10 Write about the role of catecholamines.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a What is Hypoglycemia? Explain its causes.
OR
b Write short notes on Galactosemia.
- 12 a Describe the types of fatty liver.
OR
b Mention the causes and clinical features of Niemann-Pick's disease.-
- 13 a Discuss the condition Phenylketonuria in brief.
OR
b Give a brief account on Maple syrup urine disease.
- 14 a Comment on Orotic aciduria.
OR
b Describe the diagnosis and treatment of criggler-Najjar syndrome.
- 15 a Describe the clinical applications of thyroid hormone measurements.
OR
b Write a short note on Cushing's syndrome.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Describe the different types of Glycogen-storage diseases.
- 17 Classify the lipoproteinemias in detail.
- 18 Explain the causes, enzyme abnormalities and clinical feature of Albinism.
- 19 Describe the biochemical abnormalities, diagnosis and treatment of Gout.