

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION JUNE 2014  
(Sixth Semester)

Branch – BIOCHEMISTRY

**SKILL BASED ELECTIVE : 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 Diabetes Insipidus.
- 2 Insulin receptor.
- 3 Atherosclerosis.
- 4 LACT.
- 5 Cystinosis.
- 6 Abetalipoproteinemia.
- 7 Normal level of Bilirubin in serum.
- 8 Pseudogout.
- 9 Eatecholamines.
- 10 Grave's disease.

**SECTION - B (25 Marks)**

Answer ALL Questions

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

- 11 a Explain the abnormalities of hyper and hypo-glycaemia.  
OR  
b Write a note on GALACTOSEMIA.
- 12 a How will you estimate the fate molecules in fasces?  
OR  
b Explain the types of fatty liver.
- 13 a What are the clinical abnormalities of HARTNUP disease?  
OR  
b Write a note on AhBINISM.
- 14 a Discuss on bilirubin metabolism.  
OR  
b Describe orotic aciduria and xanthinuria.
- 15 a How will you measure the adrenalins and nor adrenaline in plasma?  
OR  
b Write a short note on CUSHING SYNDROME.

**SECTION - C (30 Marks)**

Answer any THREE Questions

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

- 16 Describe the metabolic complications of Diabetes mellitus.
- 17 Describe the types of Familial hyperdipo proteinemia.
- 18 Write briefly about i) Phenylketonuria ii) Alkeptonuria.
- 19 What is jaundice? Explain the different types of jaundice.
- 20 Describe the clinical features, diagnosis and treatment of hyper and hypothyroidism.