

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION JUNE 2018
(Fourth Semester)

Branch – **BIOCHEMISTRY**

ADAVNECD CLINICAL BIOCHEMISTRY

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks (5 x 6 = 30)

- 1 a How to perform immunologic test for pregnancy? Give its interpretation.
OR
b Explain the composition and diagnostic importance of CSF.
- 2 a Describe the biochemical investigation of Sputum.
OR
b Explain the normal and abnormal constituents of urine. Give the chemic tests for any two abnormal constituents.
- 3 a Explain the assay and clinical significance of protein hormones.
OR
b Give an assay method and clinical significance of thyroid hormones.
- 4 a Explain any three renal function tests with interpretation.
OR
b Describe Linear Hepatitis.
- 5 a Give an account on Leukemia.
OR
b Explain the abnormalities in lipid metabolism (any two abnormalities with diagnostic tests).

SECTION -B (45 Marks)

Answer any **THREE** questions

ALL questions carry **EQUAL** Marks (3 x 15 = 45)

- 6 Describe blood collection and transfusion process in detail.
- 7 Discuss the Kidney stones and Stone analysis procedures.
- 8 Discuss the Laboratory methods for the evaluation of Pituitary disorders.
- 9 Discus the enzyme profiles observed in myocardial infarction and hepatobiliary disease.
- 10 Discuss the disorders of Trace elements.