

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018
(Second Semester)

Branch – CLINICAL NUTRITION AND DIETETICS

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 Explain the various factors that affect enzyme activity.
OR
b What is TCA cycle? Explain.
- 2 a Describe the Biosynthesis of cholesterol.
OR
b Write a note on ketone bodies and its biosynthesis.
- 3 a Elaborate on blood buffer system.
OR
b Explain the biosynthesis of urea and its clinical significance.
- 4 a Comment on Genetic code.
OR
b Explain different types of RNA and mention its function.
- 5 a List out thyroid function test and its significance.
OR
b Explain any two excretory function tests of liver.

SECTION -B (45 Marks)

Answer any THREE questions

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

- 6 Explain on types of glycogen storage diseases.
- 7 Discuss on lipoproteins classification and its functions.
- 8 Explain the electron transport chain and its mechanism.
- 9 Describe on protein biosynthesis.
- 10 What are the various tests used to assess the cardiac function.

Z - Z - Z

END