

CLASS: M.Sc. BIOCHEMISTRY

15A/ 217

St. JOSEPH'S COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI – 620 002

SEMESTER EXAMINATIONS – APRIL 2015

TIME: 2 Hrs. 20 Mins.

MAXIMUM MARKS: 70

SEM	SET	PAPER CODE	TITLE OF THE PAPER
II	2014	14PBC2109	HUMAN PHYSIOLOGY

SECTION – B

Answer all the questions:

5 x 5 = 25

31. a. Describe in brief the structure and functions of Hemoglobin.

OR

b. Give an account on plasma proteins and their functions.

32. a. Write a short note on the gastrointestinal motility.

OR

b. Describe in brief the absorption of carbohydrates and fats.

33. a. Give short notes on (i) Cardiac output (ii) Arrhythmias

OR

b. Describe the principles of gaseous exchange.

34. a. Explain the classification and properties of nerve fibers.

OR

b. Write a note on the chemical basis of visual process.

35. a. Give a brief account on deep sea physiology.

OR

b. Write a short note on the structure of nephron.

SECTION – C

Answer any THREE questions:

3 x 15 = 45

36. Explain in detail the mechanism of action of homostatic control system.
37. With suitable illustrations, describe the anatomy of GI tract.
38. Explain in detail the cardiac cycle.
39. Describe the mechanism of Muscle contraction.
40. Explain in detail the process of Urine formation.
