

CLASS: M.Sc. BIOCHEMISTRY

15A / 218

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	14PBC2202A	LIFE SCIENCES FOR COMPETITIVE EXAMINATIONS – I

SECTION – B

Answer all the questions:

5 x 5 = 25

31. a. What are the types of classification of plants? Add note on each type.

OR

- b. Write a short note on level of organisation of tissue and systems.
32. a. Give an account on Bentham and Hooker's classification of plants and list out the merits and demerits.

OR

- b. Write down the difference between Eukaryote and prokaryotic cell.
33. a. Explain the biosynthesis of Auxin and its physiological effect on plants.

OR

- b. Write a note on photoperiodism and biological clock.
34. a. Explain the non-cyclic photophosphorylation pathway.

OR

- b. Write an essay on photorespiration.
35. a. Write a brief note on various types of pollution with example.

OR

- b. Give a short account on disposal of hospital waste.

SECTION – C

Answer any THREE questions:

3 x 15 = 45

36. Discuss the preparation and significance of Herbarium.
37. Draw and explain the structure and functions of Mitochondria and Nucleus.
38. Give a detail account on biological N₂ fixation.
39. How plants response to abiotic stresses? Explain.
40. What do you mean by Biodiversity and explain its conservation?
