

SEM	SET	PAPER CODE	TITLE OF THE PAPER
II	2014	14PBC2107	MICROBIOLOGY

SECTION – B**Answer all the questions:****5 x 5 = 25**

31. a. Give a brief account on the structure of cyanobacteria and algae.

OR

- b. Elaborate on the scope of microbiology.
32. a. Explain the role of microbes in fixing nitrogen in soil.

OR

- b. Give an account on the microbes present in contaminated domestic and marine waters.
33. a. Explain in detail about industrial production of alcohol.

OR

- b. Write short notes on fermentation process.
34. a. Explain the following (i) pandemic disease (ii) pathogenicity

OR

- b. Write short notes on typhoid and syphilis.
35. a. Bring out the role of microbes as foods.

OR

- b. Explain the importance of microbes in degradation of lignin and pesticides.

SECTION – C

Answer any THREE questions:

3 x 15 = 45

36. Discuss the role of low temperatures and heat for controlling microorganisms. Briefly explain the principle behind these treatments.
37. Discuss the role of microbes in waste water treatments.
38. Describe in detail the industrial production of antibiotics, enzymes and amino acids.
39. Give a detailed account on various viral diseases of human.
40. (i) How is biogas produced?
(ii) Elaborate on the application of microbes in biological warfare.
