SHRIMATI INDIRA GANDHI COLLEGE
(Affiliated to Bharathidasan University)
Nationally Accredited at 'A' Grade (4th Cycle) by NAAC | An ISO 9001 : 2015 Certified Institution
Tiruchirappalli - 620 002

Department of English

Question Bank

Semester: II

Sub Title: Professional English for Life Sciences - I

Sub Code: 22PELSSI

SECTION A

I. Fill in the blanks [25 questions].

1. What is an imperative sentence?
2. What is meant by 'register' in language?
3. Define academic communication.
4. What is the purpose of using modal verbs?
5. Name any two stages in the life cycle of a butterfly.
6. What is the main difference between listening and hearing?
7. What is meant by skimming in reading?
8. Name any two basic laboratory equipment used in biology experiments.
9. What is a flow chart used for?
10. Give one example of a connective word.
11. What is brainstorming?
12. Name two advantages of small group discussions.
13. What is a mind map?
14. What is meant by GM crops?
15. Define macronutrients.
16. What is syllabification?
17. Define recommendation writing.
18. What is a flow chart used for?
19. Give one example of a connective.
20. What is the purpose of a short speech?
21. What is meant by professional ethics?
22. Define summary writing.
23. What is the purpose of using PowerPoint presentations?
24. What is a catalyst?
25. What is note making?

SECTION B

II. Answer the following questions in 50 words (20 questions)

26. Explain why instructions should be clear and specific, giving an example from the microscope instructions.
27. What are formal and informal conversations? Provide examples.
28. Describe the significance of listening carefully to instructions in laboratory work.
29. What is metamorphosis? Briefly explain the stages of a butterfly's life.
30. Describe the process of preparing a hibiscus cutting before placing it in water.
31. What is the purpose of role play in language learning?
32. Explain the difference between single sentence definition and extended definition with examples.
33. Compare and contrast plant cells and animal cells using any two compare and contrast expressions.
34. Describe the role of the moderator in a small group discussion.
35. Explain what Dr. Mario Molina discovered about CFCs and the ozone layer.
36. Summarise the purpose of mind mapping in brainstorming.
37. What are the main points of the passage on conservation of nature?
38. Describe the key symptoms of iron-deficiency anaemia.
39. Explain the steps in preparing for a short speech.
40. What is the difference between connectives and linkers?
41. Briefly explain what a pie chart represents.
42. Explain why note making is important for students.
43. What are the dos and don'ts of a PowerPoint presentation?
44. Briefly describe the difference between professional competence and professional ethics.
45. What is the function of enzymes in the digestive system?

SECTION C

III. Answer the following in 250 words [20 questions]

46. Discuss the use of imperatives and modals in giving instructions politely and effectively.
47. Describe the scientist Har Gobind Khorana's major contributions to genetic science and why they are significant.
48. Explain the difference between facts and opinions, giving examples from the reading passages.
49. Narrate the story of the six blind men and the elephant in your own words, explaining its moral.
50. Summarise the story *What Happened to the Reptiles* and explain its moral.
51. Describe the equipment and process of ultrasound scanning as explained in the passage.
52. Write an extended definition for the term **Anatomy** including background and examples.
53. Explain the process of growing a hibiscus plant from a cutting, as described in the listening section.
54. Discuss the debate around genetically modified (GM) crops in India.

55. Describe the experiment of J.C. Bose and the function of the crescograph.
56. Explain the steps and structure of essay writing as taught in the unit.
57. Compare and contrast macronutrients and micronutrients, giving examples.
58. Summarise the discovery of vaccination by Louis Pasteur.
59. Describe how to write effective recommendations using modals and impersonal passive voice.
60. Explain the process of interpreting tables, charts, and flow diagrams.
61. Discuss the importance of using synonyms in scientific writing.
62. Summarise the passage on the human immune system, covering its types and functions.
63. Discuss the block and chain structures of problem–solution essays.
64. Explain the mechanism of enzyme action as described in the passage.
65. Describe the structure and key features of a problem–solution essay with an example.

SECTION D

IV. Answer the following questions in 500 words [10 questions]

66. Discuss the role of listening, speaking, reading, and writing (LSRW) skills in developing communicative competence in a scientific context.
67. Analyse how scientific reading passages (like those on vertebrates/invertebrates and Har Gobind Khorana) help students combine language learning with subject knowledge.
68. Discuss the importance of process description, compare & contrast, and definition writing in scientific communication.
69. Analyse how listening, speaking, reading, and writing activities help develop communicative competence in scientific contexts.
70. Analyse how group discussions, brainstorming, and mind mapping help in developing negotiation strategies and critical thinking.
71. Discuss how reading passages (like those on GM crops and healthy diet) help integrate subject knowledge with language learning.
72. Analyse the process of preparing and delivering a short speech, including outline, practice, and delivery.
73. Discuss how listening, reading, writing, and interpreting visuals together build presentation skills in scientific contexts.
74. Analyse how professional competence and ethics contribute to success in life and career.
75. Discuss the importance of summary writing, note making, and essay writing in academic and professional contexts.