

TB205110V

Reg. No :

Name :

BACHELOR'S DEGREE (C.B.C.S.) EXAMINATION, NOVEMBER 2022
2020 ADMISSIONS REGULAR AND 2019, 2018 ADMISSIONS SUPPLEMENTARY
SEMESTER V - OPEN COURSE (CHEMISTRY)
CH5D01AB18 - CHEMISTRY IN EVERYDAY LIFE

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks

(10x2=20)

1. What do you mean by metallic contamination?
2. Recall Class I Preservatives. Give any two examples.
3. Outline the health effects of junk foods.
4. Compare between non-ionic and amphoteric detergents with examples.
5. list main ingredients in a toothpaste.
6. Differentiate drugs and cosmetics.
7. Explain "madder lake" in context of Alizarin and the color of madder lake when we use metal salt of Aluminium.
8. Explain the use of fillers in the paper manufacture with examples.
9. Explain the advantages of biodegradable plastic.
10. List out the application of ceramic nanoparticles.
11. Define nanotoxicology.
12. Define the terms autologous, allogeneic and xenogeneic with regard to use of material in tissue engineering.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Explain different Plant Growth Hormones.
14. Compare soft drinks and Health drinks. Explain the health effects of soft drink.
15. Summarize on different flavouring substances.
16. Write a note on food adulteration.
17. Explain briefly the environmental hazards associated with Artificial Fertilizers.
18. Identify common detergent additives and their roles in detergent.
19. Discuss about various types of hair dyes.
20. Explain the toxicology of nanomaterials in biology.
21. Elaborate the use of nanomaterials in electronics.

Part C

III. Answer any Two questions. Each question carries 15 marks

(2x15=30)

22. Discuss briefly a) the toxicity and environmental hazards of synthetic pesticides and b) the different classification of Biopesticides and its advantages.
23. Discuss about each of the following: a) lipsticks b) Shampoos c) deodorants
24. Explain psychotropic drugs and discuss the different types of psychotropic drugs with their side effects.
25. Discuss on drug abuse and explain the different preventive measures and treatment strategies to address this

problem. b) Elaborate on the symptoms, causes and effects of Drug addiction.