

23U517

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Name:

Reg.No:

FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19UCHE5D02 - CHEMISTRY IN DAILY LIFE

(Chemistry - Open Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. What are synthetic polymers? Give one example.
2. What is natural silks? Give an example.
3. What are the advantages of artificial hormones?
4. What is AMP? How are ADP and ATP formed?
5. What is MSG? Why is MSG added to food? Give its harmful effects.
6. Give two examples for the artificial ripening agents.
7. What is a fertilizer? Give an example each for a natural and artificial fertilizer.
8. What are the required qualities of a shaving cream?
9. What are vitamin creams?
10. What is meant by the generic name of a drug? Explain with example.
11. Give two examples of antipyretic and analgesic drugs.
12. What is octane number?

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Discuss the application of (a) Bakelite, (b) Terylene, (c) Melamine
14. Which are the vitamins included in the group vitamin B complex? Give the biological function for each.
15. Explain the testing methods used for the detection of (a) other oils in coconut oil (b) prohibited colour in vegetable oil.
16. Differentiate between hard soap and soft soap.

17. Write notes on: sun screen preparations and antiperspirants.
18. Explain acid dye and basic dye on fabric. Give examples. What is the mode of action of these dyes to the fabric?
19. Calculate the gross and net calorific value of a coal having the following composition: C=85%, H=8%, S=1%, N=2%, ash=4%, latent heat of steam =587 cal/g.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Discuss about the definition and health effects of fast foods, instant foods, dehydrated foods and junk foods.
21. (a) Discuss the effect and control of pollution due to fossil fuels.
(b) Give an account of importance of plastic recycling.

(1 × 10 = 10 Marks)
