**18U514**     (Pages: 2)     Name: ……………………..

Reg. No……………………

# FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2020

(CUCBCSS-UG)

(Regular/Supplementary/Improvement)

## CC15U CHE5 D02 - CHEMISTRY IN DAILY LIFE

(Chemistry - Core Course)

(2015 Admission onwards)

Time: Two Hours                                    Maximum: 40 Marks

### Section A

Answer *all* questions. Each question carries 1 mark.

1.  ----------- is an example of a mordent dye.

2.  The polymer used for manufacturing of bullet proof materials is -----------

3.  ----------- is an example of artificial sweetener used in food stuff.

4.  ----------- is an example of antipyretics.

5.  ----------- is an example of a potash fertilizer.

6.  ----------- is an example of a prodrug.

7.  ----------- is an example of a conducting polymer.

8.  ----------- is the chemical compound used for the artificial ripening of fruits.

9.  The main ingredients in toothpastes are -----------

10. ----------- is an example of thermosetting plastic.

**(10 x 1 = 10 Marks)**

### Section B

Answer any *five* questions. Each question carries 2 marks.

11. What is meant by Vat dyes? Give any one example.

12. Differentiate pharmacodynamics and pharmacokinetics.

13. Explain the process of vulcanization of rubber.

14. What is the difference between cold creams and vanishing creams?

15. Explain the significance of TFM in soap.

16. Explain any two harmful effects of cosmetics.

17. Explain any two application of nano-technology in medical field.

**(5 x 2 = 10 Marks)**

## Section C

Answer any *two* questions. Each question carries 5 marks

18. Explain tranquilizers, antidepressants and psychedelic drugs with examples.

19. Explain the significance of biodegradable polymers with any two examples.

20. What is meant by pesticides? Explain any two classes of pesticides with examples.

**(2 x 5 = 10 Marks)**

## Section D

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

21. Explain the health effects with definition of fast-food, instant-food, dehydrated food and junk food

22. a) Define fuels and explain its classifications.                    (5marks)

    b) Explain the origin, fractional distillation and various fractions contained in petroleum.

    (5 marks)

**(1 x 10 = 10 Marks)**

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