Reg. No. \_\_\_\_\_\_\_\_\_\_\_\_

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**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **15CH2003** | **Duration :** | **3hrs** |
| **Sub. Name :** | **CHEMISTRY IN EVERYDAY LIFE** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1 | a | Can cancer be detected at an early stage? Why is it detected in our country at the 3rd or 4th stage only? | CO3 | 5 |
| b. | Differentiate between antiseptic and disinfectant with example. | CO2 | 5 |
| c. | As an individual and engineer, what way can you help yourself and the society to avoid and eradicate so called incurable diseases like AIDS, Cancer etc as it is done in the case of Polio? | CO1 | 10 |
| **(OR)** | | | | |
| 2. | a. | On what basis a drug will be categorised under ‘Banned Drug’? Give example? | CO2 | 5 |
| b. | The anticancer agent present in tomatoes is \_\_\_\_\_\_\_\_\_\_. |  | 2 |
| c. | Write a note on ‘NOTES’ in perfume? When can you use perfume and deodorant? | CO2 | 13 |
|  |  |  |  |  |
| 3. | a. | Give the advantages and disadvantages of natural dyes. | CO2 | 6 |
| b. | Give the chemical structure and name of aginomotto. By regularly adding aginomotto in our diets, the effects like obesity, behavioural changes can be found - Give reasons. | CO1 | 14 |
| **(OR)** | | | | |
| 4. | a. | ‘Crying’ is it needed? While cutting onion, our eyes get irritated followed by tears, explain the chemistry involved in this process. How can you avoid irritation of eyes during cutting onion? | CO3 | 14 |
| b. | Write a short notes on PAH. Are you exposed to PAH? What are the effects of it and how will you avoid the same? | CO2 | 6 |
|  |  |  |  |  |
| 5. | a. | Write a note on hair dye chemistry in giving color to hair. | CO1 | 12 |
| b. | Flesh of fish smell is different than other meat, give reason. | CO2 | 8 |
| **(OR)** | | | | |
| 6. | a. | Give an example for disappearing ink with the chemistry concept. | CO2 | 7 |
| b. | Sea shells are mostly made of CaCO3, but are colored, why? | CO2 | 7 |
| c. | Water does not relieve the burning sensation of chilly. Why? | CO3 | 6 |
|  |  |  |  |  |
| 7. | a. | Explain the chemistry concepts involved in ice cream making. (emulsifier, stabilizer, depression in freezing point) | CO3 | 12 |
| b. | Write notes on certification marks on grains and pulses. | CO1 | 8 |
| **(OR)** | | | | |
| 8. | a. | Cotton fabrics absorb more water. Reason out. | CO2 | 6 |
| b. | Give the test for identification of adulterant for the following and state the effect of the adulterant.  i) Mango, ii. Apple, iii. Ghee, iv. Pepper | CO3 | 14 |
|  | | **Compulsory:** |  |  |
| 9. | a. | What do you mean by balanced diet? How will it help one’s health? | CO3 | 7 |
| b. | How do we get color and star effects on bursting crackers? | CO2 | 7 |
| c. | Write a note on molecule of happiness. | CO1 | 6 |