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**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

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

**End Semester Examination – Nov/Dec - 2016**

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|  |  | **Semester :** | **2016-17 ODD** |
| **Code :** | **12CH220** | **Duration :** | **3 hrs** |
| **Sub. Name :** | **Chemistry in Everyday Life** | **Max. marks :** | **100** |

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| **Q. No.** | | | **Questions** | | **Mark** | | |
| **PART-A(10X1=10 MARKS)** | | | | | | | |
| 1. | | What do you mean by infantile paralysis? | | | (1) | | |
| 2. | | What is NIMMD? | | | (1) | | |
| 3. | | What do you mean by Gun Cotton? | | | (1) | | |
| 4. | | Write any two binder in the paints? | | | (1) | | |
| 5. | | What do you mean by PAH? | | | (1) | | |
| 6. | | What are the harmful chemical components are forming while cooking meat? | | | (1) | | |
| 7. | | Name the basic constituent in the seashells? | | | (1) | | |
| 8. | | What is the food adulterant for black pepper and chilly powder? | | | (1) | | |
| 9. | | What is HDL? Is it good for health? | | | (1) | | |
| 10. | | In the market, the toothpaste sold has \_\_\_\_\_\_\_\_\_ ppm of fluoride. | | | (1) | | |
| **PART B(5 X 3= 15 MARKS)** | | | | | | | |
| 11. | What is drug? write the effects of using banned drugs | | | | (3) | | |
| 12. | Write the various compositions of RDX and its properties? | | | | (3) | | |
| 13. | Discuss the ingredients in Talc powder and its ill effects? | | | | (3) | | |
| 14. | Cotton is highly water absorbent, but dries slowly – Why? | | | | (3) | | |
| 15. | What do you mean by fast food? Write its’ ill effects? | | | | (3) | | |
| **PART C(5 X 15= 75 MARKS)** | | | | | | | |
| 16. | | a. | | Discuss about the causes, signs and symptoms of polio and cancer. | (10) | | |
| b. | | Justify the steroidal injections are good or bad with their effects. | (5) | | |
| (OR) | | | | | | | |
| 17. | | a. | | Narrate the methods to avoid diabetes and AIDS? Explain their signs and symptoms. | (8) | | |
| b. | | Discuss the diseases caused by protein misfolding. | (4) | | |
| c. | | If you are having cold with fever for more than three days, what is the class of drug doctor suggests? Name any two of the common drugs available in the market? | (3) | | |
| 18. | | a. | | What is the chemistry behind the Paints? | (7) | | |
| b. | | Discuss the five basic components of ice cream making? Explain their chemistry. | (8) | | |
| (OR) | | | | | | | |
| 19. | | a. | | Describe the basic colors of natural and synthetic dyes and their applications? | (8) | | |
| b. | | Explain the properties of TNT and Nitroglycerin with structures? | (7) | | |
| 20. | | a. | | Write a notes on Umami - the fifth taste. | (5) | | |
| b. | | Discuss pigment present in Tomato with their advantages and disadvantages. | (5) | | |
| c. | | Describe the advantages & disadvantages of α-tocopherol in body lotion. | (5) | | |
| (OR) | | | | | | | |
| 21. | | a. | | Chocolates are good or bad for health – Discuss the chemical ingredients present in it. | | (5) | |
| b. | | Write the advantages and disadvantages of DHA present in fish? | | (5) | |
| c. | | Describe the various ingredients in the Toothpaste? Write their advantages. | | (5) | |
| 22. | | a. | | How sniffer dogs detect the explosives and bombs? | | (5) | |
| b. | | Do you agree the flesh of fish smells different from other meat? why | | (5) | |
| c. | | Explain the chemistry behind the hair dyeing? | | (5) | |
| (OR) | | | | | | | |
| 23. | | a. | | Why the chill effect while the cosmetic cream is applied on the skin? | | | (5) |
| b. | | Water wont remove the burning sensation of chilli – Is it true, Why? | | | (5) |
| c. | | The flame color of the gas stove will change when a few drops of water overflows- why? | | | (5) |
| 24. | | a. | | Write your views about the goodness of balanced diet. | | | (4) |
| b. | | Discuss any three molecules of emotions. | | | (9) |
| c. | | What is iodized salt? | | | (2) |
| (OR) | | | | | | | |
| 25. | | a. | | What do you mean by organic food? Write its importance. | | | (7) |
| b. | | How will you eradicate the food adulteration? | | | (5) |
| c. | | Write a short on neurotransmitter. | | | (3) |

ALL THE BEST