

TB172170C

Reg. No.....

Name.....

B. Sc. DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2018
(2017 Admission Regular, 2016 Admission Improvement/Supplementary &
2015 Admission Supplementary)
SECOND SEMESTER- COMPLEMENTARY COURSE (CHEMISTRY)
CH2CO2TB - ADVANCED INORGANIC, ORGANIC AND ENVIRONMENTAL
CHEMISTRY
(For Botany, Zoology & H. Sc)

Time: Three Hours

Maximum marks: 60

PART A

I. Answer all questions. Each question carries 1 mark

1. Unit of radioactivity is.....
2. Give an example of a mixed fertilizer
3.are widely used as refrigerants.
4. Minamata tragedy was due to the presence of in water.
5. is an example for non-conventional energy sources

(5x1=5)

PART B

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

6. Compare nuclear reaction and chemical reaction
7. What are bio fertilizers? Give examples
8. What is pyrethrin?
9. Explain the term green chemistry.
10. What is atom economy? What is its significance?
11. What is acid rain?
12. What is meant by renewable and non- renewable energy sources?
13. How does CO pollutant affect our body?

(5x2=10)

PART C

III. Answer any five questions. Each question carries 5 marks

14. Write a note on nuclear reactor and breeder reactor
15. Write a note on (i) nuclear fission reaction and (ii) nuclear fusion reaction
16. Write a note on plant growth hormone and biofertilizers.
17. What are the toxic effects of pesticides
18. Give the twelve principles of green chemistry
19. Write briefly on Chernobyl disaster.
20. What is water quality index? How is DO of water expressed? What happens when DO falls very low?
21. Discuss the methods to reduce air pollution.

(5x5=25)

PART D

IV. Answer any two questions. Each question carries 10 marks

22. Describe the applications of radioactive isotopes in (a) carbon dating and (b) medicine
23. Write briefly on organic and inorganic fungicides and their uses.
24. Write a note on (i) biofertilizers and (ii) chemical oxygen demand (COD)
25. Describe water pollution and the adverse effects of different types of water pollution

(2×10=20)