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E – 3374

Reg. No. :

Name :

Fourth Semester B.Sc. Degree Examination, July 2018
First Degree Programme under CBCSS
Complementary Course for Home Science
CH 1431.5 : ORGANIC AND MEDICINAL CHEMISTRY
(2013 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

SECTION – A

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

1. Mostly the drug metabolism occurs in
2. Antifertility drugs are generally
3. Winkler method is used to determine
4. Give an example for green house gas.
5. What are the chemicals used as insecticides ?
6. In which region of atmosphere ozone layer is found ?
7. Expand the chemical name of DDT.
8. Name three harmful chemicals used in food.
9. Mention any two effects of noise pollution on people.
10. Give an example for drug acting on central nervous system. (10×1=10 Marks)

P.T.O.



SECTION – B

Answer **eight** questions. **Each** question carries **2** marks :

11. Write a short note on harmful effects of food additives.
12. What is meant by chemotherapy ?
13. What are antipyretics ? Give an example.
14. Which are the four regions of atmosphere ?
15. Mention any three effects of air pollution.
16. What are herbicides ? Give an example.
17. What is electrodialysis ?
18. Draw the structure of Malathion.
19. What are the sources of oxides of nitrogen in the atmosphere ?
20. How do antiseptics differ from disinfectants ? Give one example each.
21. What are sulpha drugs ?
22. Why do soaps not work in hard water ?

(8×2=16 Marks)

SECTION – C

Answer **six** questions. **Each** question carries **4** marks :

23. Explain Green house effect.
24. Explain the cleansing action of soaps.
25. Define COD. Explain the method of determination.
26. Write a short note on the harmful effects of pesticides.



27. What is the function of ozone layer ? What is the effect of its depletion ?
28. Write a short note on water soluble vitamins.
29. What are analgesics ? How are they classified ?
30. Define permanent hardness of water. How is it removed ?
31. What is cyanocobalamine ? Mention its importance. (6×4=24 Marks)

SECTION – D

Answer **any two** questions. **Each** question carries **15** marks :

32. What is soil pollution ? Discuss briefly the various factors which cause soil pollution. What are the remedial measures ?
 33. Write the preparation of theophene. Give its chemical properties. Give the structure of theophene.
 34. a) What are antipyretics ? Describe the synthesis of Aspirin and paracetamol ?
b) Describe artificial sweetness and its applications.
 35. Describe the synthesis of malathion, DDE, BHC and carbamates. (2×15=30 Marks)
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