

CLASS: UG – SKILL BASED ELECTIVE

15A / 21

St. JOSEPH'S COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI – 620 002

SEMESTER EXAMINATIONS – APRIL 2015

TIME: 3 Hrs.

MAXIMUM MARKS: 100

SEM	SET	PAPER CODE	TITLE OF THE PAPER
VI	2012	11UCH640602	EVERYDAY CHEMISTRY

SECTION – A

Answer all the questions:

20 x 1 = 20

Choose the correct answer:

- Which is the purest form of water?
 - sea water
 - lake water
 - rain water
 - river
- The mixture of different ingredients of cement is burnt at
 - 1800°C
 - 1400°C
 - 1000°C
 - 1600°C
- Coal is produced in industry to get
 - coke
 - coal tar
 - coal gas
 - all of these
- The ingredient in alcoholic beverages that affects the body is
 - grain alcohol
 - methanol
 - ethanol
 - all of the above
- Scurvy is caused due to the deficiency of
 - vitamin A
 - vitamin D
 - vitamin E
 - vitamin C

Fill in the blanks:

6. _____ in cement decreases the setting time.
7. Carbanisation is _____.
8. COD is the acronym for _____.
9. Penicillin was discovered by _____.
10. Vitamin C is _____ soluble vitamin.

State True or False:

11. Hard water scale is usually caused by calcium carbonate.
12. A chemical propellant is a combination of an oxidizing agent and a fuel.
13. Paracetamol is an example of Antibiotics.
14. Petroleum is an in exhaustible natural resource.
15. Retinol is the chemical name of vitamin D.

Match the following:

- | | |
|----------------|-------------------------|
| 16. Zeolite | - a) Vulcanisation |
| 17. Rubber | - b) Softening of water |
| 18. Black gold | - c) Anemia |
| 19. Dettol | - d) Petroleum |
| 20. Iron | - e) Disinfectant |

SECTION – B

Answer all the questions:

5 x 4 = 20

21. a. Define the terms (i) Hard water and (ii) soft water

OR

b. What are the disadvantages of hard water?

22. a. What is meant by vulcanisation? Give its uses.

OR

b. Write a note on the classification of propellants.

23. a. Give the composition and uses of LPG.

OR

b. Write a short note on the classification of coal.

24. a. Differentiate between antiseptic and disinfectant.

OR

b. What are anesthetics? Give examples and their mode of action.

25. a. What are the differences between soap and detergents?

OR

b. Explain the blood pressure management.

SECTION – C

Answer any FOUR questions:

4 x 15 = 60

26. a. What are the qualities of a drinking water? (5)
- b. Briefly explain any three methods of softening of water.(10)
27. a. Describe the manufacture of cement. (10)
- b. Write a note on setting of cement. (5)
28. Discuss the Refining of petroleum, and the uses of petrochemicals.
29. a. What are antibiotics? Mention few antibiotics and their uses.
- b. Write a note on (i) preservative and (ii) Antioxidant (10+5)
30. What are vitamins? How are they classified? Explain the sources, deficiency diseases of various vitamins.
