

U.G. 3rd Semester Examination-2024**CHEMISTRY****[Multidisciplinary Course (MDC)]****Course Code : CHEM-MDC-T-3****(Chemistry in Daily Life)****[NEP-2020]****Full Marks : 35****Time : 90 Minutes****Instructions to the Candidates:**

- Candidates will be provided with a question cum answer booklet.
- The booklet contain 40 multiple choice questions, each carrying 1 mark. Candidate will attempt 35 questions from the following (MCQ).
- Candidates must fill up his/her Registration Number, Year & Roll Number in the space provided.
- Do not make any rough work on the answer booklet.
- At the end of the examination please return the answer booklet to the invigilator.

Registration No.**Year****Roll Number****Signature of the Invigilator***[Turn Over]*

Answer any **thirty five** from the following questions. [Choose the correct option and put tick (✓) mark beside given box]:

1×35=35

1. Which of the following is an artificial sweetener?

- a) Aspartame ☐
- b) Glucose ☐
- c) Sucrose ☐
- d) Fructose ☐

2. What is the function of emulsifiers in food?

- a) To add color ☐
- b) To stabilize foam ☐
- c) To enhance flavor ☐
- d) To preserve food ☐

3. Identify an example of a food preservative:

- a) Salt ☐
- b) Sodium benzoate ☐
- c) Sugar ☐
- d) Vinegar ☐

4. Which food additive is used as a foaming agent?

- a) Lecithin ☐
- b) Agar-agar ☐
- c) Gelatin ☐
- d) Casein ☐

5. Which of the following is a natural food color?

- a) Caramel ☐
- b) Tartrazine ☐
- c) Indigo ☐
- d) Annatto ☐

6. Which vitamin is essential for vision?

- a) Vitamin A ☐
- b) Vitamin B ☐
- c) Vitamin C ☐
- d) Vitamin D ☐

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7. Vitamin K is important for:
- a) Bone health ☐
 - b) Blood clotting ☐
 - c) Vision ☐
 - d) Immunity ☐
8. Interferon is connected with
- a) Tonic ☐
 - b) Virus ☐
 - c) Carbohydrate ☐
 - d) Ore of iron ☐
9. Which of these is a water-soluble vitamin?
- a) Vitamin A ☐
 - b) Vitamin C ☐
 - c) Vitamin D ☐
 - d) Vitamin K ☐
10. Aspirin is used as:
- a) Pain relief ☐
 - b) Antibiotic ☐
 - c) Anti-inflammatory ☐
 - d) Sedative ☐
11. Which drug is used to treat malaria?
- a) Paracetamol ☐
 - b) Chloroquine ☐
 - c) Ibuprofen ☐
 - d) Penicillin ☐
12. One of the most widely used drugs in medicine index is
- a) Methyl salicylate ☐
 - b) Ethyle salicylate ☐
 - c) Acetyl salicylic acid ☐
 - d) O-Hydroxy benzoic acid ☐
13. What is the primary use of metronidazole?
- a) Treating pain ☐
 - b) Treating infections ☐
 - c) Sedation ☐
 - d) Blood thinning ☐

14. Chloramine-T is an
- a) Disinfectant ☐
 - b) Antiseptic ☐
 - c) Analgesic ☐
 - d) Antipyretic ☐
15. Quinine is extracted from:
- a) Leaves ☐
 - b) Bark ☐
 - c) Roots ☐
 - d) Seeds ☐
16. Paracetamol is classified as:
- a) Antibiotic ☐
 - b) Analgesic ☐
 - c) Antipyretic ☐
 - d) Sedative ☐
17. Which is an example of edible oil?
- a) Olive oil ☐
 - b) Coconut oil ☐
 - c) Palm oil ☐
 - d) Mustard oil ☐
18. Hydrogenation of oil produces:
- a) Margarine ☐
 - b) Butter ☐
 - c) Vanaspati ☐
 - d) Ghee ☐
19. Vanaspati is made by:
- a) Fermentation ☐
 - b) Hydrogenation ☐
 - c) Boiling ☐
 - d) Oxidation ☐
20. Which fatty acid is essential for humans?
- a) Omega-3 fatty acids ☐
 - b) Trans fats ☐
 - c) Saturated fats ☐
 - d) Omega-9 fatty acids ☐

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21. Identify a source of saturated fat:
- a) Olive oil ☐
 - b) Lard ☐
 - c) Canola oil ☐
 - d) Sunflower oil ☐
22. What is the main constituent of margarine?
- a) Glycerin ☐
 - b) Lecithin ☐
 - c) Saturated fats ☐
 - d) Unsaturated fats ☐
23. Unsaturated oils are converted to solid fats by:
- a) Hydrogenation ☐
 - b) Fermentation ☐
 - c) Esterification ☐
 - d) Oxidation ☐
24. Which is a non-edible oil?
- a) Castor oil ☐
 - b) Soybean oil ☐
 - c) Palm oil ☐
 - d) Cottonseed oil ☐
25. Which of the following is used in the manufacture of soaps?
- a) Cutting oil ☐
 - b) Kerosene oil ☐
 - c) Mobil oil ☐
 - d) Vegetable oil ☐
26. Which is a liquid soap?
- a) Detergent ☐
 - b) Shampoo ☐
 - c) Dishwashing liquid ☐
 - d) Body wash ☐
27. Identify an enzyme-based detergent:
- a) Biodegradable soap ☐
 - b) Non-biodegradable detergent ☐
 - c) Synthetic detergent ☐
 - d) Enzyme detergent ☐

28. Detergent powder contains:
- a) Washing soda ☐
 - b) Caustic soda ☐
 - c) Bleaching powder ☐
 - d) Sodium bicarbonate ☐
29. Soap removes grease by
- a) Osmosis ☐
 - b) Emulsification ☐
 - c) Adsorption ☐
 - d) Coagulation ☐
30. Which of these is a biodegradable soap?
- a) Sodium oleate ☐
 - b) Sodium stearate ☐
 - c) Sodium laurate ☐
 - d) Sodium chloride ☐
31. In pesticide, the root word is latin word "Cide" which means
- a) To harm ☐
 - b) To control ☐
 - c) To kill ☐
 - d) To suicide ☐
32. DDT is an example of:
- a) Fungicide ☐
 - b) Herbicide ☐
 - c) Insecticide ☐
 - d) Rodenticide ☐
33. Which pesticide has residual toxicity?
- a) Aldrin ☐
 - b) Decamethrin ☐
 - c) Malathion ☐
 - d) Paraquat ☐
34. Gamma-hexane is also known as:
- a) Lindane ☐
 - b) Chloroform ☐
 - c) Hexachlorobenzene ☐
 - d) Paraquat ☐

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35. The approximate weight percent of SiO_2 in bromosilicate glass is
- a) 40% ☐
 - b) 50% ☐
 - c) 60% ☐
 - d) 80% ☐
36. Decamethrin is used in
- a) Insect control ☐
 - b) Weed control ☐
 - c) Fungus control ☐
 - d) Bacteria control ☐
37. Which element is used in colored glass?
- a) Iron oxide ☐
 - b) Chromium ☐
 - c) Cobalt ☐
 - d) All of these ☐
38. The process of vitrification refers to:
- a) Heating ☐
 - b) Cooling ☐
 - c) Melting ☐
 - d) Solidification ☐
39. Glazed porcelain is a type of:
- a) Ceramic ☐
 - b) Porcelain ☐
 - c) Enamel ☐
 - d) Glass ☐
40. Which of the following is not a classification of glass?
- a) Soda-lime glass ☐
 - b) Potash-lead glass ☐
 - c) Potash-lime glass ☐
 - d) Soda-bromine glass ☐
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