

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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304/Chem(N)

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

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304/Chem(N)

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

- [illegible]