

U.G. 2nd Semester Examination-2025**CHEMISTRY****[Multidisciplinary Course (MDC)]****Course Code : CHEM-MU-T-01****(Chemistry in Everyday 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 additive is used to prevent microbial growth in acidic foods?
 - a) Sorbic acid ☐
 - b) Citric acid ☐
 - c) Malic acid ☐
 - d) Tartaric acid ☐
2. Which food preservative is used in products such as jams and squashes and soft drinks?
 - a) Saccharin ☐
 - b) Sodium metabisulphite ☐
 - c) Cane sugar ☐
 - d) All of the above ☐
3. Which additive is used to maintain the acidity or alkalinity of food?
 - a) Buffering agents ☐
 - b) Emulsifiers ☐
 - c) Stabilizers ☐
 - d) Preservatives ☐
4. Which is used as a natural colouring in food?
 - a) Beta-Carotene ☐
 - b) Anthocyanine ☐
 - c) Betanin ☐
 - d) All of the above ☐
5. Which of the given Vitamins helps in blood clotting?
 - a) Vitamin D ☐
 - b) Vitamin A ☐
 - c) Vitamin B ☐
 - d) Vitamin K ☐
6. Which of the following vitamins is well-known as Biotin?
 - a) Vitamin B ☐
 - b) Vitamin C ☐
 - c) Vitamin D ☐
 - d) Vitamin H ☐

[Turn Over]

7. Which of the following vitamins is essential for a woman during here pregnancy to prevent birth defects?
- a) Thiamine ☐
 - b) Vitamin C ☐
 - c) Vitamin E ☐
 - d) Folic acid ☐
8. The deficiency of Vitamin C leads to which disease?
- a) Beriberi ☐
 - b) Scurvy ☐
 - c) Rickets ☐
 - d) Pellagra ☐
9. Which of the following will not act as an antacid?
- a) Sodium carbonate ☐
 - b) Sodium bicarbonate ☐
 - c) Alluminium carbonate ☐
 - d) Magnesium hydroxide ☐
10. Which drug is most commonly used as a painkiller?
- a) Paracetamol ☐
 - b) Tranquilizer ☐
 - c) Lisinopril ☐
 - d) Diphenhydramine ☐
11. Which is not an antibiotic?
- a) Tetracycline ☐
 - b) Chloramphenicol ☐
 - c) Chloromycetin ☐
 - d) Sulphadiazine ☐
12. Which of the following drugs is used to prevent heart attacks?
- a) Aspirin ☐
 - b) Equanil ☐
 - c) Paracetamol ☐
 - d) Both (a) and (b) ☐
13. Which agency is primarily responsible for regulating food additives in the USA?
- a) FDA ☐
 - b) FAO ☐
 - c) WHO ☐
 - d) USDA ☐

14. Which of the following is an example of a saturated fat?
- a) Canola oil ☐
 - b) Olive oil ☐
 - c) Sunflower oil ☐
 - d) Butter ☐
15. Which of the following salts of acid is used in soap?
- a) Amino acid ☐
 - b) Fatty acid ☐
 - c) Glutamic acid ☐
 - d) Acetic acid ☐
16. What is the role of herbicides?
- a) To kill fungi ☐
 - b) To kill rodents ☐
 - c) To control pests that attack animals ☐
 - d) To kill unwanted plants (weeds) ☐
17. DDT is toxic to the environment because:
- a) Biodegradable ☐
 - b) Non-biodegradable ☐
 - c) Genotoxic ☐
 - d) All of the above ☐
18. Decamethrin is used as:
- a) Fungicide ☐
 - b) Pesticide ☐
 - c) Weedicide ☐
 - d) Biocide ☐
19. Which of the following is the primary ingredient in the manufacturing of glass?
- a) Iron oxide ☐
 - b) Calcium carbonate ☐
 - c) Silica ☐
 - d) Alumina ☐
20. Vanaspati is manufactured by
- a) Saponification ☐
 - b) Hydrogenation ☐
 - c) Oxidation ☐
 - d) Polymerisation ☐

[Turn Over]

21. Which of the following is used as Artificial Sweetener in food?

- a) MSG
- b) Sorbitol
- c) Sodium Bicarbonate
- d) EDTA

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22. Which of the given Vitamins is not stored in the body?

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

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23. Which of the following is a good source of Vitamin A?

- a) Lemon
- b) Carrot
- c) Cauliflower
- d) Cabbage

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24. Vitamin C is chemically known as:

- a) Cholecalciferol
- b) L-Ascorbic Acid
- c) Retinol
- d) Phylloquinone

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25. Chemical name of Aspirin:

- a) N-(4-hydroxyphenyl) ethanamide
- b) Acetyl salicylic acid
- c) 2-methylimidazole
- d) Acetanilide

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26. Metronidazole is used in the treatment of:

- a) Gum infection
- b) Skin infection
- c) Parasitic infection
- d) All of the above

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27. Paracetamol is:

- a) Antipyretic
- b) Antimalarial
- c) Both antipyretic and analgesic
- d) Analgesic

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28. Butter is:
- a) Lipoprotein ☐
 - b) Adipose ☐
 - c) Triglyceride ☐
 - d) Fatty acid ☐
29. Which of the following is the raw material to prepare soap?
- a) Coconut oil ☐
 - b) Sodium silicate ☐
 - c) Sodium hydroxide ☐
 - d) All of the above ☐
30. Which one among the following is a herbicide?
- a) Gammexane ☐
 - b) Parathion ☐
 - c) Paraquat ☐
 - d) DDT ☐
31. Aldrin is:
- a) Fungicide ☐
 - b) Preservative ☐
 - c) Insecticide ☐
 - d) None of the above ☐
32. In pesticide, the root word is word "cide" which means:
- a) To harm ☐
 - b) To control ☐
 - c) To kill ☐
 - d) To suicide ☐
33. Red color in ceramic objects is due to:
- a) Al_2O_3 ☐
 - b) SiO_2 ☐
 - c) NiO ☐
 - d) Fe_2O_3 ☐
34. Which of the following is a ceramic?
- a) Brick ☐
 - b) Procelain ☐
 - c) Earthenware ☐
 - d) All of the above ☐

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35. Ordinary Glass is:

- a) Sodium silicate
- b) Potassium silicate
- c) Calcium and sodium silicates
- d) Calcium silicate

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36. Ceramics are employed to protect infrastructure from:

- a) Earthquake
- b) Lightning strikes
- c) Heat
- d) Rain

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37. Which of the following is used in the manufacturing of photochromatic glass?

- a) NaCl
- b) KCl
- c) AgCl
- d) CuCl

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38. Which of the following food items provides dietary fibres?

- a) Pulses
- b) Wholegrain
- c) Fruits and Vegetables
- d) All of the above

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39. Which of the following mineral functions by building strong bone and teeth?

- a) Iron
- b) Iodine
- c) Sodium
- d) Calcium

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40. A "Junk food" supplies mainly:

- a) Nutrients
- b) Calories
- c) Salt
- d) Sugar

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