#### SAMPLE PAPER (2023 - 24)

#### CHEMISTRY THEORY (043)

## General Instructions:

Max. Marks:70

#### Read the following instructions carefully.

- (a) There are 33 questions in this question paper with internal choice.
- (b) SECTION A consists of 16 multiple -choice questions carrying 1 mark each.
- (c) SECTION 8 consists of 5 short answer questions carrying 2 marks each.
- (d) SECTION C consists of 7 short answer questions carrying 3 marks each.
- (e) SECTION D consists of 2 case- based questions carrying 4 marks each.
- (f) SECTION E consists of 3 long answer questions carrying 5 marks each.
- (g) All questions are compulsory.
- (h) Use of log tables and calculators is not allowed.

#### SECTION A

The following questions are multiple -choice questions with one correct answer. Each question carries 1 mark. There is no internal choice in this section.

- 1. Which of the following solutions will have the highest conductivity at 298 K?
  - (a) 0.01 M HCl solution

(b) 0.1 M HCl solution

(c) 0.01 M CH<sub>3</sub>COOH solution

- (d) 0.1 M CH3COOH solution
- 2. A + B di NaOH \_ CH-CH-CH-C

Identify A and B:

- (a) A = 1-phenylethanal, B = acetophenone
- (b) A = Benzophenone B = formaldehyde
- (c) A= Benzaldehyde , B = Acetophenone
- (d) A = Benzophenone, B = Acetophenone

Time: 3 hours

- 3. The vitamins which can be stored in our body are:
  - (a) Vitamin A, B, D and E

(d) Vitamin A, C, D and K

(c) Vitamin A, B, C and D

- (d) Vitamin A, D, E and K
- 4. What is IUPAC name of the ketone A, which undergoes indo form reaction to give
  - CH = CH = C(CH =)COONa and yellow precipitate of CHI = ?
  - (a) 3-Methylpent-3-en-2one

(b) 3-Methylbut-2-en- one

(c) 2, 3-Dimethylethanone

(d) 3-Methylpent-4-one

- 5. Which of the following is not correct?
  - (a) In haloarenes, the electron pairs on halogen atom are in conjugation with m-electrons of the ring.
  - (b) The carbon-magnesium band is covalent and non-polar in nature.
  - (c) During S<sub>N</sub><sup>1</sup> reaction, the carbocation formed in the slow step being sp<sup>2</sup> hybridised is planar.
  - (d) Out of CH2 = CH-Cl and C6H3CH2Cl, C6H3CH2Cl is more reactive towards S61 reaction

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junk food should be banned many children in america eat large amounts of junk food and this can cause health problems in fact junk food is even sold in the vending machines of many schools this debate is about the good and bad points for how junk food should be banned

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mar 18 2021 no junk food should not be banned banning junk food is against the right to choice of food if we eat junk food in limited qualities it won t be much problem health problems arise when we take too much junk food so junk food itself is not the problem but limiting the intake is the key

junk food effects types of junk food junk food and schools - Nov 09 2022

there have been constant debates on this topic from past few years that whether the junk food should be banned in schools or not and there have been arguments from both the sides in favour as well as from those against banning fast food in schools **junk food should be banned createdebate** - Jun 04 2022

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debate about why should all the junk foods should be banned we shouldnt or we should

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level of salt fat calories and sugar and offer limited nutritional value consumption of unhealthy foods on a regular basis leads to obesity the amounts of fats and sugar in junk are alarmingly high

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should junk food be banned in schools students have been getting more obiese over the years if schools want to follow through with their health programs they should get the kids to eat healthier and not just exersize more i think it should be banned

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junk food addiction is a worldwide issue that concern every society some agree that junk food that be banned because of its disadvantages such as obesity heartache diabetes and further damages in the future on the other hand others disagree that junk food should be banned due to its advantages which are that junk food are easy to make and

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feb 1 2021 the goal of these bans is to improve kids health research shows that eating too much junk food can lead to obesity that s the condition of being severely overweight people with obesity are at higher risk for health problems such as heart disease and type 2 diabetes but some people argue that a ban on buying junk food won t do very government wants to ban all junk food ads online bbc newsround - Aug 06 2022

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