

CHEMISTRY PAPER 1 (THEORY)

Maximum Marks: 70

Time Allowed: Three hours

*Candidates are allowed additional 15 minutes for only reading the paper.
They must NOT start writing during this time.*

This paper is divided into four sections – A, B, C and D.

Answer all questions.

Section A consists of one question having sub-parts of one mark each.

Section B consists of ten questions of two marks each.

Section C consists of seven questions of three marks each, and

Section D consists of three questions of five marks each.

Internal choices have been provided in one question each in Section B,

Section C and Section D.

All working, including rough work, should be done on the same sheet as, and adjacent to the rest of the answer.

The intended marks for questions or parts of questions are given in brackets [].

Balanced equations must be given wherever possible and diagrams where they are helpful.

When solving numerical problems, all essential working must be shown.

In working out problems, use the following data:

Gas constant $R = 1.987 \text{ cal deg}^{-1} \text{ mol}^{-1} = 8.314 \text{ JK}^{-1} \text{ mol}^{-1}$

$= 0.0821 \text{ dm}^3 \text{ atm K}^{-1} \text{ mol}^{-1}$

$1 \text{ l atm} = 1 \text{ dm}^3 \text{ atm} = 101.3 \text{ J}$ $1 \text{ Faraday} = 96500 \text{ coulombs}$.

Avogadro's number $= 6.023 \times 10^{23}$.

SECTION A – 14 MARKS

Question 1

- (A) Fill in the blanks by choosing the appropriate word(s) from those given in the [4×1]
brackets:

[stable, low, aldehyde, unstable, 6, 4, ethane, Clemmensen's, 2, 3, carboxylic acid, high, propane, Rosenmund's]

- (i) The primary alcohols are easily oxidised first into _____ and then into _____.
- (ii) The intermediate activated complex in a chemical reaction is highly _____ due to _____ energy.
- (iii) The coordination number and oxidation state of the complex $\text{K}_4[\text{Fe}(\text{CN})_6]$ are _____ and _____ respectively.
- (iv) Propanone on reaction with zinc-amalgam in presence of conc. HCl gives _____ and the reaction is known as _____ reduction.

This Paper consists of 8 printed pages.

Turn over

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web season 3 nathaniel is kidnapped by the woman whose family was killed in a car accident involving joe nathaniel s father who selfishly and recklessly drove drunk sandra mills is an alcoholic and struggling with life claire visits darlene jones a prisoner on death row who she has planned teach to read dinah writes a letter to darlene which

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web synopsis in order to escape the orphanage where they are being raised as food for demons emma norman and ray begin recruiting allies but convincing the other children to believe them may not be an easy task

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web when three gifted kids at an isolated idyllic orphanage discover the secret and sinister purpose they were raised for they look for a way to escape from their evil caretaker and lead the other children in a risky escape plan stars

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web the promised neverland fifteen escaped from grace field house finally getting a chance at freedom instead the outside world is almost too cruel to face but the search for better lives and a promise to save their family still trapped imbue the

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web jul 24 2022 anime by mohit kamboj on jul 24 2022 as one of the most eagerly awaited series of its debut season the promised neverland got off to a promising start japan s first season was renewed for a second in march of the same year after a successful debut in january 2019 netflix has the second season available until march 26 2021

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web jul 25 2022 answered there are not currently any plans to release another season of the promised neverland either as a redo of the second season or an expansion covering skipped arcs from the series what

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web this is a tragic poor and shameless attempt to conclude an anime with such great potential the promised neverland surely deserved better however it looks like there is no redeeming the anime now as season 3 of the promised neverland appears unlikely to happen we are more likely to see a spinoff and a reboot rather than a third season

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web 181045 is the third episode of the promised neverland anime it aired on january 25 2019 sister krone has very comfortably settled herself into life at the orphanage much to our three heroes chagrin

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