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Cool! I'am really happy

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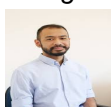
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My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

CHEMISTRY PAPER - 1 (THEORY)

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

Answer all questions in Part I and six questions from Part II, choosing two questions from Section A, two from Section B and two from Section C.

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 $R = 1.987 \text{ cal deg}^{-1} \text{ mol}^{-1} = 8.314 \text{ JK}^{-1} \text{ mol}^{-1} = 0.0821 \text{ dm}^3 \text{ atm K}^{-1} \text{ mol}^{-1}$
 $1 \text{ atm} = 1 \text{ dm}^3 \text{ atm} = 101.3 \text{ J}$ $1 \text{ Faraday} = 96500 \text{ Coulombs}$
Avogadro's number $= 6.023 \times 10^{23}$

PART I (20 Marks)

Answer all questions.

Question 1

(a) Fill in the blanks by choosing the appropriate word/words from those given in the brackets: [5]

(increases, decreases, positive, efficient, 6R, non-efficient, no α -hydrogen, α -hydrogen, negative, Rosenmund's, greater, Cannizzaro, 74, common-ion effect, lesser, buffer action, diamagnetic, paramagnetic)

(i) The more _____, the standard reduction potential of a metal, the _____ is its ability to displace hydrogen from acids.

(ii) Both cop and hep are _____ packings and occupy about _____ % of the available space.

(iii) Solubility of silver chloride _____ in the presence of sodium chloride because of _____.

(iv) Benzaldehyde undergoes _____ reaction on treatment with concentrated sodium hydroxide because it has _____ atom.

(v) The transition metals show _____ character because of the presence of unpaired electrons and Cu^+ is _____ because its electronic configuration is $[\text{Ar}]3d^9$.

This Paper consists of 7 printed pages and 1 blank page.

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