OCTOBER 2023 EBS 115 GENERAL CHEMISTRY THEORY I 30 MINUTES

Candidate's Index Number
and realise!
Signature:

UNIVERSITY OF CAPE COAST COLLEGE OF EDUCATION STUDIES SCHOOL OF EDUCATIONAL DEVELOPMENT AND OUTREACH INSTITUTE OF EDUCATION

COLLEGES OF EDUCATION FOUR-YEAR BACHELOR OF EDUCATION (B.ED) FIRST YEAR, SECOND SEMESTER MID-SEMESTER QUIZ, SEPT/OCT 2023

5TH OCTOBER 2023

GENERAL CHEMISTRY THEORY I

5:30 PM - 6:00 PM

Answer ALL the questions. [20 MARKS]

1. Classify the following in their aqueous states as acids, bases or salts.	
NaOH NaCl. Hor.	
NaOH, NaCl, HCl, CaCl ₂ , HNO ₃ , CH ₃ COOH	

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a.	A shell that has a principal quantum number	of 3, thus, (n=3) is described
b.	The first scientific theory of atomic structure was pr	*****
c. d.	The maximum number of electrons that $2p$ subshell	l can hold is
Со	opy and complete the table below with the significance Quantum Number	e of the quantum numbers: Significance
	(a)Principal quantum number (n)	
	(b) Azimuthal quantum number (l) (c) Magnetic quantum number (m)	
	(d) Spin quantum number (s)	
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After Rutherford experiment with the gold foil and the alpha particle, what conclusion did no make about the atom?
State any three of the postulates of Dalton's atomic theory.
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