

Thursday 17th October 2024

COLLEGE PRIVE BILINGUE MONTESQUIEU

MONTESQUIEU PRIVATE BILINGUAL HIGH SCHOOL

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REPUBLIC OF CAMEROON

PEACE - WORK - FATHERLAND

ANNEE SCOLAIRE 2023/2024

First Harmonized Examination Chemistry;

OCTOBER 2024

Form 2

DEPARTMENT OF CHEMISTRY

SECTION A/ GENERAL KNOWLEDGE

Answer all the questions of the followings in your answer paper

SECTION 1: GENERAL KNOWLEDGE (10 mks)

- 1) Which of the following is a set of the three sub-atomic particles?
A) Protons, nucleons and electrons b) Protein, neutrons and electrons c) Protons, nucleus and electrons d) protons, neutrons and electrons.
- 2) What is the smallest particle of an atom called?
A) Proton b) neutron c) electron d) nucleus.
- 3) What is the charge of proton?
A) Positive b) negative c) neutral d) variable
- 4) The arrangement of electrons on shells is called
a) Energy level b) electron shell c) electronic configuration d) electron shells
- 5) What is the charge of an electron?
A) Positive b) negative c) neutral d) variable.
- 6) The third shell of an atom is called
a) N b) M c) K d) L
- 7) An atom that has more or less electrons than it has proton is called
a) An isotopes b) an ion c) a metal d) unstable.
- 8) The electronic configuration of potassium with 19 electrons is
a) 2;8;8;1 b) 2;8;1 c) 2;8;2 d) 2;8;3.
- 9) What is the mass number of an element if its atom contains 10 protons, 10 electrons and 12 neutrons? A) 32 b) 22 c) 20 d) 10
- 10) Which have the same number of neutrons?
A) C and Ca b) Mg and Na c) F and K d) F and Ca.

TEST OF SKILLS (10mks)

- 1) An atom of an element is represented as $^{31}_{15}\text{P}$.
 - A) What does P stand for?
 - B) Write down the nucleon number.....
 - C) State the number of proton in the atom
 - D) Determine the number of neutrons in the atom
 - E) Determine the number of electron in the atom
 - F) Write down the electronic arrangement of the atom
 - G) Is the atom a metal or non-metal? Explain

- H) State the group and period of the atom and
- I) Draw a diagram to show the arrangement of electrons in the atom

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GOODLUCK