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ANNEE SCOLAIRE 2025/2026

FIRST SEQUENCE CHEMISTRY Examination, OCTOBER 2026

FORM TWO

SECTION A/ GENERAL KNOWLEGDE **TIME 60mins**

INSTRUCTION; Mark an (X) on the correct answer corresponding to the questions

ANSWER ALL THE QUESTIONS (20MKS)

1) What is true about the nucleus? In an atom, the **nucleus A) Contains protons, neutron and electrons B) Has a net positive charge C) Contains proton only D) Contains neutron only.**

2) Which of the following is the name given to the sum of the protons and neutrons found in the nucleus of an atom? **A) Nucleus number B) Nucleon number C) Atomic number D) Mass number.**

3) The arrangement of electrons in shells is **called A) Energy levels B) Electron shell C) Electronic configuration D) Electron shells.**

4) What is the name of the particles that make up the nucleus of an atom? **A) Protons B) Neutrons C) Electrons D) Quarks.**

5) What is the charge of an electron? **A) Positive B) Negative C) Neutral D) Variable.**

6) Which statement about isotope is not correct? **A) isotopes have different number of electrons B) isotopes are often radioactive C) isotopes are often used for dating artifacts and fossils D) isotopes are the same element but different masses.**

7) The atom of potassium has a total of **A) 15 electrons B) 16 electrons C) 19 electrons D) 18 electrons.**

8) The third shell of an atom is called **A) N B) M C) K D) L.**

9) An atom that has more or less electrons than it has proton called **A) An isotope B) An ion C) A metal D) Unstable.**

10) The atomic number of Sulphur is 16. What is the number of electrons in a sulphur atom?
A) 35 B) 16 C) 15 D) 17.

11) 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.**

12) Which has the same number of neutrons? **A) C and Ca B) Mg and Na C) F and K D) F and Ca.**

13) Which of the following is an electronic configuration of an atom of an inert gas?

A) 2 ;8 B) 2 ;2 C) 2 ;8 ;7 D) 2 ;8 ;2.

14) Magnesium and Magnesium ion has the same number **of**

A) Neutrons and protons B) Protons and electrons C) Protons D) Neutrons and electrons.

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$^{14}_{7}N$

he number 14 represents **a) The atomic number b) The mass number c) The number of rons d) Period number.**

he number 7 represents; **a) the atomic number b) the mass number c) the number of neutrons eriod number.**

nother name for the number 14 is; **a) proton number b) nucleon number c) electron number d) ron number.**

he number 7 is also called; **a) proton number b) nucleon number c) neutron number d) period ber.**

n the neutral atom, **a) the number of protons equals the number of electrons b) The number of ons is greater than the number of electrons c) The number of protons is less than the number of :rons. D) The number of electrons is greater than the number of protons.**

Which of the following is true about isotopes? **A) They have the same number of neutrons b) they the same number of protons c) they have more protons than neutrons d) they always have tical physical properties.**

TON B; (25mks)

CTURAL; Answer all the following questions using good English language and correct spelling.

efine the following terms

a) Atomic number.....
.....(2mks)

b) Atomic mass number.....
.....(2mks)

n atom has mass number 23 an atomic number 11. How many protons, electron and neutrons present in the ns?.....
.....
.....(3mks)

mplete the table below concerning the subatomic particles and their properties(9mks)

icules	Location	Relative charge	Relative mass (a.m.u)
:ron			
on			
tron			

TION B : TEST OF COMPETENCE (8marks)

atch the chemical elements in column A to their correct symbols in column B

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Column A	Column B
Sulphur	H
Sodium	N
Silicon	Mg
Neon	S
Nitrogen	Ne
Calcium	Na
Magnesium	Si
Hydrogen	Ca

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