

# GREENLAWNS HIGH SCHOOL

## CHEMISTRY OBJECTIVE TERMINAL

### EXAMINATION 2020

STD. 8  
TIME 2 HOURS

SUBJECT CHEMISTRY

MARKS 30

\* Required

\* This form will record your name, please fill your name.

Section

1

NAME- \*

2

ROLL NO.- \*

3

DIVISION \*

A

B

C

Choose the correct option.

4

An atom of the following element shows variable valency \*  
(1 Point)

- Sodium
- Iron
- Oxygen

5

The positively charged ion is called \*  
(1 Point)

- Anion
- Cation

6

The atomicity of an Ozone atom is \*  
(1 Point)

- 1
- 2
- 3

7

A non metal which is lustrous and good conductor of electricity is \*  
(1 Point)

- Phosphorus
- Graphite
- Iodine

8

The state in which a substance has the least density \*  
(1 Point)

- Solid
- Liquid
- Gas

9

Sulphur whose atomic number is 16 has its electronic configuration as \*  
(1 Point)

- (2, 7, 7)
- (2, 14)
- (2, 8, 6)

10

A metal which is in liquid state at room temperature \*  
(1 Point)

- Aluminium
- Sodium
- Mercury

11

Which among the following is a compound \*  
(1 Point)

- Sea water
- Sugar
- Silver

12

The most compressible substance is \*  
(1 Point)

- Wood
- Oil
- Smoke

In which of the following the components can be separated by chemical methods only? \*  
(1 Point)

- Elements
- Compounds
- Mixtures

State whether the following statements are true or false.

14

Gases have one upper free surface \*  
(1 Point)

- True
- False

15

On heating a substance, the inter-particle force of attraction increases. \*  
(1 Point)

- True
- False

16

Mixture is always a homogeneous substance. \*  
(1 Point)

- True
- False

17

An atom of metal generally has less than four electrons in the outermost orbit. \*  
(1 Point)

- True
- False

18

The number of electrons that can be accommodated in 4th orbit is 32. \*  
(1 Point)

True

False



What is it called?

19

A group of atoms of elements that behave like a single unit and show positive or negative charge \*

(1 Point)

- Atom
- Molecule
- Radical

20

The smallest particle of an element which may or may not exists on its own \*

(1 Point)

- Atom
- Molecule
- Radical

21

A pure substance made up of only one kind of atoms \*

(1 Point)

- Mixture
- Compound
- Element

Elements which are malleable and ductile \*  
(1 Point)

- Metals
- Non-metals
- Metalloids

Answer the questions with the information given below

An atom has 11 electrons and 12 neutrons then its

23

Atomic number is \*  
(1 Point)

- 11
- 12
- 23

24

Valency \*  
(1 Point)

- 1
- +1
- +7

25

Electronic configuration \*  
(1 Point)

- (2, 8, 2)
- (2, 9)
- (2, 8, 1)

26

Number of orbits \*  
(1 Point)

1

2

3

27

Nature \*  
(1 Point)

Metal

Non-metal

Inert gas

## Section



Study the figure given above and answer the questions given below.

28

Name the process indicated by 1 \*  
(1 Point)

- Freezing
- Liquefaction
- Melting

29

In the process numbered 6 , the particles of the medium \*  
(1 Point)

- lose energy
- gain energy
- retain their energy

30

In the process numbered 3 , the inter-particle space \*  
(1 Point)

- decreases
- increases
- remains the same

31

In the process numbered 2 , the inter-particle attraction \*  
(1 Point)

- decreases
- increases
- remains the same

32

An example of a substance which shows the process numbered 5 is \*  
(1 Point)

- Copper
- Water
- Naphthalene

33

Name the process indicated by number 4. \*  
(1 Point)

- Freezing
- Liquefaction
- Melting

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