GREENLAWNS HIGH SCHOOL

STD 9C CHEMISTRY TERMINAL EXAMINATION 40 MARKS

Qs 1 Name the following (5)

a) A charged particle

b) Compound formed when dry hydrogen and dry chlorine react in the presence of diffused sunlight

c) Composition of water gas

d) A metal which burns with a golden yellow flame

e) A compound having 3 single covalent bonds

Qs 2 A)) Define (2)

a) Atomic mass number

b) Hydrogenation of oil

B)) State (3)

a) Boyles law

b) Law of triads

c) Moseleys law

Qs 3 X and Y are atoms of elements (5)

a) Which group and period do X and Y belong to?

b) Draw the atomic structure of the compound formed when X and Y combine

c) What type of a bond does it have?

d) Give a reason for your answer

Qs 4) With respect to the lab preparation of hydrogen (5)

a) Give an equation for the same
b) How is the gas collected? Why?
c) Give a test for the gas
d) Give an equation to convert hydrogen to ammonia
e) How would you prepare hydrogen using an alkali ,Give van equation

Qs 5 With respect to the modern periodic table (5)

a) Name elements of period 2

b) Give 2 differences between groups IA and VIIA

c) Why is hydrogen placed in group IA and group VIIA (Give one reason for each)

d) What are bridge elements ? Give an example

e) List 2 characteristics of zero group

Qs 6 A)Find the percentage of nitrogen in ammonium sulphate (2)

N=14.S=32,H=1,O=16

B)Draw the atomic structure of Sodium oxide (3)

Na= O

Qs 7 With respect to the large scale preparation of hydrogen, answer the questions that follow (5)

a) Name the process
b) Give equations for the preparation of hydrogen
c) How would you separate the hydrogen obtained from its impurities
d) Hydrogen is useful in the metallurgy industry, Justify with the help of an equation

Qs 8AWhat would you observe

i) When copper carbonate is heated

ii) Concentrated hydrochloric acid is added to manganese dioxide

iii) Dilute hydrochloric acid is added to sodium sulphite

B Give 2 differences between electrovalent and covalent bond