**Balochistan Board of Intermediate and Secondary Education, Quetta**

Model Paper for SSC Examination 2017 and Onwards

Subject: Chemistry Total Marks = 63 Class 9th

**PART - I**

**Q No. 1 (a) Tick the correct answers** **1 x 7= 7**

1. The smallest component of an element that still retains properties of the element is called.
2. Electron b. Proton c. Neutron d. Atom
3. Neir Bohr mainly concentrated upon.
4. Proton b. Nucleus at atom c. Behavior of Electron d. Neutron
5. At ordinary temperature and pressure hydrogen exist it
6. Liquid b. Gas c. Solid d. Plasma
7. The Kcl has the type of bonding
8. Ionic b. Covalent c. co-ordinate covalent d. Metallic
9. The different forms of an elements are called
10. Isotopes b. Free radicals c. Molecules d. Allotropes

vi. NaoH is known by

1. Sodium Hydroxide b. Sodium Carbonate c. Salts d. Base

vii. The chemical formula of axodic acid

1. COOH2, H2O b. COOH c. KmNO4 d. Hcl

(B) **Fill in the Blanks with suitable words. 1x3=3**

i. A solution is the type of mixture.

ii. Coating with paints prevents .

iii. NaoH is also known as

(C) **Tick the True and False. 1x2=2**

1. Organic Chemistry is chemistry of carbon and hydrogen?

2. In K shell the number of Electron is Ten (10)?

**PART - II**

**Q No. 2.Give the short answer should not exceed three to four lines (Do any 12)**

**2x12=24**

1. Why understanding of chemistry is important to us?
2. How many types of molecule write the name?
3. Write a note on discovery of Neutrons?
4. What do you know about shells of atoms?
5. Discuss importance of Noble gases?
6. What are Alkali metals?
7. How many types of covalent bond?
8. What do you know about Lewis structure of a compound? Explain with example?
9. Compare different states of matter?
10. Explain the term pressure of gases also describes its units?
11. What is molarity?
12. Why Nacl is dissolved easily in cold water but not is heated cooling oil?
13. Define Electrochemistry. Also state its important?
14. What is oxidation. Illustrate with are example?
15. Write down three most abundant elements of human and of earth curst?
16. Write chemical equations of three reaction of water

**Part III**

**Attempt any three questions Draw diagram where necessary 9 x 3 = 27**

Q No. 3 Define chemistry, Discuss the different Branches of chemistry is detail?

Q No. 4 Can you describe the experiment and results deduced by Rutherford for explaining atomic structure?

Q No. 5 Discuss the importance of group and periods in the modern periodic table?

Q No. 6 What is covalent bond describe the different types of covalent bond?

Q No. 7 Describe Boyle’s Law (volume pressure law in detail)?

Q No. 8 What is Electroplating, Write note on silver electroplating?