**THE SCHOLAR’S GRAMMAR SCHOOL**

Final Term Examinations, March 2016

Class : VIII Date : --2016

Subject : Science Time : 3 Hours

Student’s Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Max. Marks : 100

**SECTION “A” – (Multiple Choice Questions)** (15)

**Q. No. 1.** Choose the correct answer from the given options.

(i) The study of all living organism is known as \_\_\_\_\_\_.

(a) Botany (b) Zoology (c) Biology

(ii) The old belief that living beings can spontaneously develop from the non-living is termed as \_\_\_\_\_\_.

(a) Genetics (b) Abiogenesis (c) Biogenesis

(iii) The study of external structure of organism is known as \_\_\_\_\_\_.

(a) Anatomy (b) Cytology (c) Morphology

(iv) Jabir Bin Hayyan wrote \_\_\_\_\_\_ on plants.

(a) Al-Nabatat (b) Tasreef (c) Kitab-e-Nabatat

(v) Scheele discovered \_\_\_\_\_\_.

(a) Chlorine (b) Fluorine (c) Iodine

(vi) Which one of these was the first to use opium as anesthesia.

(a) Al-Razi (b) Al-Farabi (c) Bu-AliSina

(vii) Redi used dead \_\_\_\_\_\_ and fish in his experiment.

(a) Flies (b) Snakes (c) Cockroaches

(viii) A number of proton is present in the nucleus of an atom is called \_\_\_\_\_\_.

(a) Mole (b) Mass number (c) Atomic number

(ix) Which gas is studied by J.Black?

(a) Hydrogen (b) Carbondioxide (c) Sulphurdioxide

(x) The scientific name of human beings \_\_\_\_\_\_.

(a) Rana Trigrina (b) Homo Sapiens (c) Brassica Compestris

(xi) Vertebrates are classified into \_\_\_\_\_\_ classes.

(a) Four (b) Five (c) Nine

(xii) The frog lives both in \_\_\_\_\_\_.

(a) Water and land (b) Water and mountain (c) Land and mountain

(xiii) All organisms are composed of \_\_\_\_\_\_.

(a) Tissue (b) Cell (c) Organs

(xiv) The outermost whorl is called \_\_\_\_\_\_.

(a) Corolla (b) Calyx (c) Androecium

(xv) Frog has neither a \_\_\_\_\_\_ nor a tail.

(a) Neck (b) Ear (c) Nose

**SECTION “B” – (BIOLOGY)** (45)

**Q. No. 2.** Write the answers of the following questions. (any five)

1. What is biology? Define any three branches of biology.
2. Define Abiogenesis with the help of Needham’s experiment.
3. Define the cell theory.
4. Define Biogenesis with the help of Redi’s experiment.
5. What are vertebrates? Into how many classes are vertebrates classified?
6. Draw a diagram of ‘Amoeba’.
7. What are invertebrates? Into how many Phylums are invertebrates classified?
8. Write the contribution of the following scientist.

a) Ibn-Al Hitham b) Ali Bin Isa

**Q. No. 3.** Draw a labelled diagram of “Brassica Flower”.

**Q. No. 4.** Write a short note on “Frog”.

**SECTION “C” – (CHEMISTRY)** (40)

**Q. No. 5.** Write the answers of the following questions. (any four)

1. What is chemistry? Write the name of any five branches.
2. Write the law of conservation of mass.
3. Write the contribution of Modern Scientist.
4. Write the difference between exothermic and endothermic.
5. Define:

a) Atomic Number b) Mass Number

**Q. No. 6.** Balance the following chemical equations.

i) KClO3 KCl + O2 ii) H2 + Cl2 HCl

iii) CaCO3 CaO + CO2 iv) H2 + O2 H2O

v) Na + Cl2 NaCl

**Q. No. 7.** Calculate the no. of electrons, protons and neutrons of the following.

i) 12C6 ii) 23Na11  iii) 16O8

iv) 1H1 v) 35Cl17