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

Model Paper for SSC Examination 2017 and Onwards

Subject: General Science Total Marks = 75 Class 9th

**PART - I**

Q no. 1:(a) Each question is followed by four options, select correct one. (5)

1. Who introduced law of conservation of mass?
	1. Sir Newton b. Bu – Ali Sina c. Edison d. Lavoisier
2. What is the unit of nervous system
	1. Hormones b. brain c. Neuron d. Chromosomes
3. Compounds that are found from amino-acids are
	1. Carbohydrates b. Protein c. Fatts d. Vitamins
4. The percentage of nitrogen in the composition of airis
	1. 78.03% b. 20.99% c. 0.03% d. 2%
5. Which one isotope is used for thyroid gland
	1. Gold b. Sodium c. Iodine d. Iron

**(b)** Complete the following statement (5)

1. The Muslim scientist \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is considered the founder of chemistry
2. To keep the heart beat regular \_\_\_\_\_\_\_\_\_\_\_\_\_ is used.
3. Vitamin \_\_\_\_\_\_\_\_ is being considered as a cure of cancer.
4. Deficiency of red blood cells in the blood causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. The element \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is used in the preparation of bleaching powder

**(c)** Match the terms of Column ‘A’ with relevant statement of Column ‘B’ (5)

|  |  |  |
| --- | --- | --- |
|  | **Column A** | **Column B** |
| 1. | For diagnosis of heart disease | (a) 46 chromosomes |
| 2. | Human | (b) Goiter disease |
| 3. | Deficiency of Iodine | (c) Defieciency of blood |
| 4. | Calorie | (d) Keyboard |
| 5. | Computer | (e) Heat energy |
|  |  | (f) ECG |

**PART - II**

Q no. 2: Write short answers of following (any ten) (20)

1. Which two famous chmical compunds wer prepared by Jabir-bin-Hayyan?
2. What is science?
3. Whatis meant by metabolism?
4. What role neurons play in the body?
5. Define immunity.
6. Write the name of two disease caused by virus.
7. What do you know about harmones?
8. What is meant by oxidation?
9. What is allotrophy?
10. Write the importance of peace maker.
11. What do you understand by genetic engineering?
12. What is nitrogen cycle?

**PART – III**

**Attempt any four questions. Draw diagram where necessary**

Q 3: What is scientific way of thinking and what was the fundamental error of European

 Scientists thinking? (10)

Q 4: how has science affected our social life. (10)

Q 5: Describe the various parts of a cell. Also describe the difference between animal and

 Plant cell. (10)

Q 6: Write notes on any two of the following (10)

1. Measles ii. Diphtheria iii. Tuber Culosis

Q 7: How do the hormones control the various function of body? Explain by giving examples. (10)

Q 8: Define the uses of artificial fertilizers and explain in detail air pollution. (10)