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

Model Paper for SSC Examination 2017 and Onwards

Subject: Biology Total Marks = 63 Class 10th

**PART – I**

Q 1: (a) Each statement is followed by four options. Encircle the correct option (any five)

 1x10=10

1. As soon as the nervous system is formed, the embryo becomes
	1. Neurula b. Morula c. Blastula d. Gastrula
2. According to Lamark the organs which are used more are
	1. Better developed b. less developed c. Completely lost

d. Remained same

1. An organism that actively hunts other organisms is called
	1. Herbivore b. Consumer c. Predator d. Parasite
2. The lowest trophic level of an ecosystem always includes
	1. Herbivores b. Carnivores c. Producer d. Consumer
3. A of all the feeding relationships in Eco System is called
	1. A food chain b. A food web c. A trophic level d. Energy flow
4. Habitat destruction can result in a loss of
	1. Species b. Community c. Land d. Eco system
5. The excess water in plant is removed by the process of
	1. Respiration b. Transpiration c. Guttation d. Both b and c
6. The Nephron mainly consists of
	1. Renal Capsule b. Renal tubule c. Both a and b d. None of them
7. The single circuit heart is found in
	1. Amphibians b. Reptiles c. Fishes d. Mammals
8. Whole blood minus blood cells is called
	1. Tissue fluid b. Lymph c. Plasma d. Serum

 (b) Fill in the blanks (any five) 1x3=3

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ acts as a solvent.
2. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are very minute openings in Epidermis of leaves.
3. Concentration of water in blood is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ %

(c) True or False (any five) 1x2=2

1. The vertebrate brain is divided into five basic regions.
2. Adenine makes pair with Thymine.

 **PART – II**

Q 2: Attempt any ten questions. Give short answers. 3x10=30

1. Briefly describe why excretion is necessary?
2. Write the names of the three main types of blood cells
3. Arteries
4. Structure of nephron
5. Replication of DNA
6. Diabetes Mellitus
7. Artificial selection
8. Symbiosis
9. Viruses
10. Bacteria
11. Recycling
12. Transpiration

**PART – III**

Note: Explain in detail (Any Three) 3x6=18

3. Draw a human skeleton and explain its support and movement.

4. What do you know about development of frog along with diagram?

5. What are various applications of Genetic Engineering for the welfare of mankind?

6. Write a detailed note on any two of the human diseases

1. Influenza ii. Tuberculosis iii. AIDS

7. Explain the structure and function of heart with help of labeled diagram.