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

Model Paper for SSC Examination 2017 and Onwards

Subject: Biology Total Marks = 63 Class 9th

**PART – I (15 marks)**

Q No. 1 (a) Choose the correct answer (10)

1. The role of a vector in a malaria is caused by
	1. Bird b. Mosquito c. Blood d. Human being
2. A testable statement is (a/am)
	1. Theory b. Hypothesis c. Principal d. Observation
3. The term “Cell” was first time used by
	1. Schleiden b. Schwann c. J. Purkinji d. Robert Hook
4. Amoeba moves with the help of
	1. Cilia b. Pseudopodia c. Flagella d. Doesn’t move
5. Vitamin A is found in
	1. Tomatoes b. Leafy Vegetables c. Butter d. Carrots
6. Lamina of leaf is called
	1. Lower stalk like part b. Upper broad green part

c. The edges of mature leaves d. Midrib of leaf

1. Mosses are closest to
	1. Ferns b. Gymnosperms c. liverworts
2. Animal of which phylum cannot move?
	1. Coelentrate b. Porifera c. Echinodermata d. Protoza
3. From the following which one is ectoparasite
	1. Hook worm b. Tape worm c. Leech d. Earthworm
4. Which animal has powerful pectoral muscles?
	1. Lizard b. Fishes c. Pigeon d. Elephant

(a) Fill in the blanks (3)

1. Small pox vaccination was discovered by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Typhoid, T.B and cholera in man are caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Fish body is covered with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(b) Put correct () and wrong (X) on following statements (2)

1. First microscope was invented by Schwann
2. Body of earthworm is non-segmented.

**PART – II**

Q. NO. 2: Give short answers (The answer should not exceed four Lines) (10x3=30)

1. Differentiate between theory and principal.
2. What is the difference between compound and electron
3. What is Binomial nomenclature?
4. Why cyanobacteria are called blue green algae?
5. Explain the Basic difference between sporophyte and Gametophyte.
6. Why phylum porifera is given this name?
7. What is mesoglea?
8. Write three functions of liver.
9. What is the name of the substance which causes muscle fatigue?
10. Write complete name of ATP and give two uses of energy
11. Write the functions of Guard cells and stomata.
12. Define hoofed mammals
13. What is thallus?

**PART – III**

Note: Attempt any three questions (6x3=18)

Q no. 3: Discuss the digestive system of frog with the help of diagram.

Q no. 4: What do you know about plants tissue? Write in detail.

Q no. 5: Describe the structure of chalmydomonas.

Q no. 6: Write a note on the following

1. Jelly Fish
2. Toad

Q no. 7: What is the importance of Vitamins?