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

Model Paper for HSSC Examination 2017 and Onwards

Subject: Zoology Total Marks = 43 Class XI

**PART – I** 10 marks

Q 1: (a) Select the correct answer, out of the given answers.

1. Sugar found in DNA is
	1. Galactose b. Fructose c. Deoxyribose d. Ribose
2. One of the following is single membrane structure
	1. Golgi bodies b. Lysosome c. Nucleus d. Chloroplast
3. Sleeping sickness is caused by
	1. Plasmodium b. Entamoeba c. Stentor d. Trypanosoma
4. The life cycle of plasmodium consists of
	1. Two phases b. Three phases c. Four phases d. None of these
5. Pancreas secrets pancreatic juice into the
	1. Ileum b. Colon c. Duodenum d. Oesophagus
6. The heart of the birds is
7. Two chambered b. Three chambered c. Four Chambered d. Five chambered

Vii Breathing is also known as

a. Ventilation b. Cellular respiration c. Internal respiration d. all of these

b) Fill in the Blanks

 1. The Opening of larynx is called\_\_\_\_\_\_\_\_\_.

 2. Vomiting occurs due to \_\_\_\_\_\_\_\_movements.

 3. Excretory structure in Annelida are \_\_\_\_\_\_\_\_\_.

**Part – II** 3 x 7 = 21 marks

Q 2: Write short answers of any seven of the following

1. Write any three differences between monosaccharide and Polysaccharide
2. Define Apoenzyme, cofactor and Holoenzyme.
3. Differentiate between phagocytosis and pinocytosis.
4. Write economics importance of chondricthyes.
5. Explain respiration in Hydra.
6. Give three differences between artery, vein and capillary.
7. Describe Agranular leucocytes.
8. What do you know about vocal cord?
9. Write three importance of unsaturated fatty acid.
10. Discuss NAD as co-enzyme

 **Part – III** 2 x 6 = 12 marks

Note: Attempt any two questions. Each question carries six marks. Draw neat and labeled diagram where necessary.

Q 3: Define mitochondria, explain its structure and function.

Q 4: Write general characteristics of phylum Annelida.

Q 5: Describe structure of human heart.

Q 6: Difference between intracellular and extracellular digestion. Explain digestion in Cockroach.