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

Model Paper for HSSC Examination 2017 and Onwards

Subject: Zoology Total Marks = 43 Class XII

**PART – I** 09 marks

Q 1: (a) Select the correct answer

1. The environment where the animals produce large volumes of diluted urine
	1. Hypotonic b. Hypertonic aquatic c. Isotonic aquatic d. Terrestrial
2. Which of the following is digitigrade?
	1. Monkey b. Tiger c. Horse d. Human
3. The neuron carry impulse from receptor to brain is
	1. Sensory b. Motor c. Inter d. None
4. Nervous System give rise from
	1. Endoderm b. Ectoderm c. Mesoderm d. Morula
5. In Turner’s syndrome, sex chromosomes are
	1. XXX b. XO c. XYY d. XXY
6. Theory of natural selection has been proposed by
	1. Lamarck b. Devries c. Darwin d. None

vii. Mistosis is divided into

 a. Karyokinesis b. Cytokinesis c. Interphase d. Both (a)and (b)

B). Fill in the blanks

1. Exchange of chromosomal segment is called

2. After Ovulation the orum is transferred to the \_\_\_\_\_\_\_\_\_\_

 **PART – II** 21 marks

Q 2: Write short answers of any seven questions of the following, each question carry three marks.

1. Write the function of skeleton
2. How ammonia is converted in Urea in the liver.
3. Write short note on second largest part of Brain
4. Differentiate between oviparous and viviparous
5. Describe regeneration in “Vertebrates”
6. Give three difference between mitosis and meiosis
7. Compare between artificial selection and natural selection
8. Write three differences between sympathetic and parasympathetic nervous system.
9. Write short note on devries mutation theory
10. Difference between gerontology and Tertology, also write the symptoms of aging.

**PART – III** 12 marks

Note: Attempt any two questions. Draw neat and labeled diagram where necessary

Q 3: Describe the excretory system in Cockroach.

Q 4: Explain the structure and typed of Neuron.

Q 5: Differentiate between three types of muscles.

Q 6: Write in detail the phases of uterine cycle.