

Tribhuvan University  
Institute of Science and Technology  
**CENTRAL DEPARTMENT OF ZOOLOGY**  
Kirtipur, Kathmandu

**MSc ENTRANCE EXAMINATION 2079 SAMPLE**

**Full Marks: 100**

**Time: 2:00 hrs**

This Test assesses competency of student to undertake MSc Zoology under Institute of Science and Technology, Tribhuvan University. It contains 100 multiple choice questions.

Please **FOLLOW** the **DIRECTIONS** below:

1. Write your **Name** and **Admit Card number** clearly in the space given in the **Answer Sheet**.
2. During the Test, **do not leave your seat** unless it is necessary for which you would have to take the permission.
3. Questions are self-explanatory. Further **clarification** will **not** be entertained.
4. Do not write anything on the **Question Paper**.
5. **Read the questions carefully**. Use a **CROSS MARK** for your **choice** on the answer sheet as shown below in the example:

a	b	c	d
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. In multiple choice questions, choose the best option *marking it carefully*. More than one answers to a

**Sample Questions**

1. A sponge can be distinguished from other animals by the presence of  
a) Hollow body      b) Coelenteron      c) Choanocytes      d) Dermal papillae
2. Cysticercus stage of *Taenia solium* is found in  
a) Man      b) Pig      c) Goat      d) Sheep
3. Axolotl is the name of larva of  
a) Earthworm      b) *Amphioxus*      c) *Balanoglossus*      d) *Ambystoma*
4. Homology refers to  
a) similarity due to descent from a common ancestor  
b) the independent development of similar structures in unrelated species  
c) two species having the same number of chromosomes  
d) anatomical structures seen in humans but not found in other primate species
5. Which one of the following inhibits the secretion of gastric juices?  
a) Enterogastrone      b) Secretin      c) Cholecystokinin      d) Gastrin
6. Morphogenetic movement change the hollow spherical blastula into  
a) Neurula      b) Morula      c) Gastrula      d) Embryonic disc
7. A pheromone is  
a) an endorphin released within the anterior pituitary

- b) a growth factor related to the production of tumors
- c) a product of a neurosecretory cell that acts on neighboring cells
- d) a chemical released by one animal to affect the behavior of another animal

8. Initiation of polypeptide chain is through

- a) Lysine
- b) Glycine
- c) Lucine
- d) Methionine

9. Urea formation takes place in

- a) Kidney
- b) Duodenum
- c) Liver
- d) Gall bladder

10. A threatened species is

- a) Only endangered species
- b) Only vulnerable species
- c) Endangered and rare species
- d) Endangered, vulnerable and rare species

11. ....

12. ....

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99. ....

100. ....

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