Tribhuvan University

Institute of Science and Technology

CENTRAL DEPARTMENT OF ZOOLOGY

Kirtipur, Kathmandu

MSc ENTRANCE EXAMINATION 20………

Exam Date :	Full Marks : 100
Time : 2 hrs	Pass Marks : 35
Roll No. :	Roll No. in words :

Insturctions :

- **There are 100 multiple choice questions. All questions carry equal marks**
- **Each question is followed by four alternative answers. Fill the circle for the correct choice in the answer sheet.**
- **During the test, the candidate will not be allowed to leave the examination hall unless it is necessary for which the candidate would have to take the permission.**

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 Critically Endangered species d) All of above

100. …………………………….

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