

NWFP, PUBLIC SERVICE COMMISSION PESHAWAR

COMPETITIVE EXAMINATION FOR THE POST OF PROVINCIAL MANAGEMENT SERVICES.

2010

ZOOLOGY PAPER -I

TIME ALLOWED: 03 HOURS

MAX.MARKS: 100

Note: Attempt any THREE questions from Part I and TWO questions from Part II.

PART -I

- Q. No.1: a-** Why NEMATODES are medically important? 10
b- What are the Respiratory Adaptations in the group MOLLUSCA? 10
- Q. No.2: a-** What is POLYMORPHISM? Discuss with reference to COELENTERATA. 10
b- Explain Water Vascular System of ECHINODERMS. 10
- Q.No.3: a-** Discuss variations in Canal System of PORIFERA. 10
b- Describe Coelom in ANNELIDS. 10
- Q.No.4: a-** Explain Parasitic Adaptations in PLATYHELMINTHES. 10
b- What is Metamorphism? Explain with reference to ARTHROPODS. 10

PART-II

- Q.No.5: a-** Discuss Excretory System in various groups of FISHES. 10
b- Write a detailed note on Navigation and Migration in Birds. 10
- Q.No.6:** Give a detailed account of all the developmental stages of chick from egg to adult. Support your answer with suitable diagrams. 20
- Q.No.7: a-** How AMPHIBIANS are adapted to both Aquatic and Terrestrial Habitats. 10
b- Discuss variations in the skull among various groups of REPTILIA. 10