

KHYBER PAKHTUNKHWA, PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION FOR THE POSTS OF PROVINCIAL

MANAGEMENT SERVICES (BPS-17

ZOOLOGY PAPER 1

TIME ALLOWED 03 HOURS

MAXIMUM MARKS 100

PART A

NOTE: Attempt any three questions from Part A and two questions from Part B.

- Q.No. 1: a- Discuss in detail parasitism in Protozoa. 10
- b- Describe the process of conjugation in ciliates. 10
- Q.No. 2: a- Give an account of skeletal structures found in sponges. 10
- b- Discuss Medical importance of Platyhelminthes. 10
- Q. No.3: a- Write a comprehensive note on the mesenteries in coelenterates. 10
- b- Discuss in detail feeding in Mollusca. 10
- Q. No. 4-a- Give an account of modifications in foot in Mollusca. 10
- b-Describe in detail various larval stages in echinoderms. 10

PART B

- Q. No. 5: a- Discuss circulatory system in amphibians. 10
- b- Give an account of biting mechanism in snakes. 10
- Q. No. 6: a-Write in detail process of gastrulation and formation of embryonic membranes in birds. 10
- b-Skeletal structures in amphibians. 10
- Q. No. 7: a- Discuss respiratory system in reptiles. 10
- b-Write note on Placentation in mammals 10