

# **FEDERAL PUBLIC SERVICE COMMISSION**



**COMPETITIVE EXAMINATION FOR  
RECRUITMENT TO POSTS IN BS-17  
UNDER THE FEDERAL GOVERNMENT, 2013**

### **Roll Number**

## **ZOOLOGY, PAPER-I**

<b>TIME ALLOWED:</b>	<b>(PART-I MCQs)</b>	<b>30 MINUTES</b>	<b>MAXIMUM MARKS: 20</b>
<b>THREE HOURS</b>	<b>(PART-II)</b>	<b>2 HOURS &amp; 30 MINUTES</b>	<b>MAXIMUM MARKS: 80</b>
<b>NOTE:</b> (i) First attempt PART-I (MCQs) on separate OMR Answer Sheet which shall be taken back after 30 minutes.			
(ii) Overwriting/cutting of the options/answers will not be given credit.			

## **PART-I (MCQs) (COMPULSORY)**

**Q.1. (i) Select the best option/answer and fill in the appropriate Circle  on the OMR Answer Sheet. (20x1=20)**  
**(ii) Answers given anywhere, other than OMR Answer Sheet, shall not be considered.**

1. Metamerically segmented worms belong to phylum:  
 (a) Nematoda (b) Platyhelminthes (c) Annelida (d) None of these

2. Which of the following is a multiflagellate Protozoa?  
 (a) Ceratium (b) Noctiluca (c) Leishmania (d) None of these

3. Spicules are secreted by:  
 (a) Scleroblasts (b) Nematoblasts (c) Endoblasts (d) None of these

4. Which of the following is a porous opening through which water enters the hydrocoel of an echinoderm?  
 (a) Pedicellaria (b) Tube feet (c) Madreporite (d) None of these

5. The body cavity of most triploblastic animals formed by splitting the mesoderm into an outer and an inner layer is called:  
 (a) Coelenteron (b) Coelom (c) Colon (d) None of these

6. Compound eyes are found in:  
 (a) Platyhelminthes (b) Echinodermata (c) Mollusca (d) None of these

7. Egg-laying mammals are placed in sub class:  
 (a) Metatheria (b) Prototheria (c) Theria (d) None of these

8. Open circulatory system is found in:  
 (a) Birds (b) Earthworms (c) Cockroaches (d) None of these

9. Bivalve molluscs are usually:  
 (a) Scavengers (b) Deposit feeder (c) Filter feeder (d) None of these

10. The pillar or central axis around which the whorls of a gastropod shell are coiled is called:  
 (a) Columella (b) Collembola (c) Colloblasts (d) None of these

11. The ninth vertebra of frog is known as:  
 (a) Cervical (b) Sacral (c) Urostyle (d) None of these

12. The stage in an embryo in which the primary germ layers have been laid down is called:  
 (a) Gastrula (b) Blastula (c) Morula (d) None of these

13. A fish which migrates down river to spawn in the sea is called:  
 (a) Anadromous (b) Catadromous (c) Dromiaceae (d) None of these

14. Which of the following has four-chambered heart?  
 (a) Dog fish (b) Frog (c) Pigeon (d) All of these

15. Facets by which vertebrae articulate with one another are called:  
 (a) Metapophyses (b) Parapophyses (c) Zygopophyses (d) None of these

# Zoology Paper I Federal Public Service Commission

**Wenbin Ji**

## **Zoology Paper I Federal Public Service Commission:**

**Wildlife Ecology: Conservation And Management** Dr. Nadim Chishty, Dr. Habiba Bano, Mr. Narayan Lal Choudhary, Mr. Pushkar Kumawat, 2022-12-06 For the present purpose we may state that wildlife management means the management of animal populations within the framework of the environment. Some would find it too narrow arguing that wildlife management should also include education, outreach, park management, law enforcement, economics, and land appraisal since so many management issues are rooted in interactions between humans and animals. Many of the most pressing questions in wildlife ecology may be reduced to numbers such as the rate of population increase, the extent of dispersion, or the effects of interactions with other species and the surrounding environment. A conceptual grasp of quantitative ecology is necessary for dealing with these issues. Because we can't always depend on experience to determine the most suitable options, mathematical models are also a vital part of decision making in wildlife conservation and management. The book also demonstrates that a comprehensive approach is necessary to deal with environmental problems as opposed to a piecemeal single pollutant or single medium approach.

Report on the Federal Public Service Commission  
Nigeria. Federal Public Service Commission, 1959    Competitive Examination, Held at Karachi, Lahore, Peshawar, and Rawalpindi, in December 1976-January 1977 Pakistan. Federal Public Service Commission, 1977    Pakistan Affairs, 1980

Annual Report of the Curator of the Museum of Comparative Zoölogy at Harvard College, to the President and Fellows of Harvard College for ... Harvard University. Museum of Comparative Zoology, 1890    **Report of the Federal Security Agency: Public Health Service** United States. Public Health Service, 1922    **Monthly Catalog of United States**

**Government Publications**, 1977    Subject Catalogue of the Royal Commonwealth Society, London: Africa: West Africa, East Africa Royal Commonwealth Society. Library, 1971    Annual Report, 1885    Annual Report of the Trustees of the State Museum of Natural History New York State Museum, New York State Museum and Science Service, 1885    Annual Report on the New York State Museum of Natural History New York State Museum of Natural History, 1885    **Annual Report of the Trustees of the State Museum of Natural History for the Year ...**, 1884    Annual Report of the Regents of the University on the Condition of the State Cabinet of Natural History, with Catalogues of the Same New York State Museum, 1885

**The Bookseller**, 1888    **Bookseller**, 1887 Vols for 1871-76 1913-14 include an extra number. The Christmas bookseller separately paged and not included in the consecutive numbering of the regular series    The Bookseller and the Stationery Trades' Journal, 1887 Official organ of the book trade of the United Kingdom    Bookseller and the Stationery Trades' Journal, 1886    **Report** Nigeria Department of Agricultural Research, 1958    Records of the Indian Museum, 1917    **Proceedings of the Parliament of South Australia** South Australia. Parliament, 1890

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