

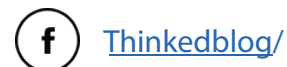


# CSS Past Paper

# Zoology

## (2018)

For a comprehensive collection of CSS preparation resources; date sheets, notes, solved past papers, examiner reports, and FPSC-recommended Books, please visit our website or feel free to reach out to us. We are here to assist you in your CSS journey.





**FEDERAL PUBLIC SERVICE COMMISSION  
COMPETITIVE EXAMINATION-2018  
FOR RECRUITMENT TO POSTS IN BS-17  
UNDER THE FEDERAL GOVERNMENT**

Roll Number

**ZOOLOGY**

<b>TIME ALLOWED: THREE HOURS</b>	<b>PART-I (MCQS)</b>	<b>MAXIMUM MARKS = 20</b>
<b>PART-I(MCQS): MAXIMUM 30 MINUTES</b>	<b>PART-II</b>	<b>MAXIMUM MARKS = 80</b>
<b>NOTE: (i) Part-II is to be attempted on the separate Answer Book.</b>		
<b>(ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.</b>		
<b>(iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.</b>		
<b>(iv) Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.</b>		
<b>(v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.</b>		
<b>(vi) Extra attempt of any question or any part of the attempted question will not be considered.</b>		

**PART – II**

- Q. No. 2.** Discuss in detail how do the marine and terrestrial animals meet the problems of salt and water balance? **(20)**
- Q. No. 3.** Differentiate between endocrine and exocrine glands. Through how many kinds of receptors do the hormones act and how is the secretion rate controlled? **(20)**
- Q. No. 4.** Arthropod exoskeleton is the most complex of invertebrate integuments. Describe its structure and explain the difference in the way the cuticle is hardened in Crustaceans and in insects. **(20)**
- Q. No. 5.** Members of such a large and diverse phylum as mollusca impact humans in many ways. Discuss. Also name classes of the phylum with two differential characters for each. **(20)**
- Q. No. 6.** (a) Discuss parasitic adaptation and medical importance with respect to nematodes. **(20)**  
(b) Write note on structural and functional adaptation in mammals.
- Q. No. 7.** Metamerism profoundly influences virtually every aspect of annelid structure and function, such as the anatomical arrangement of organs that are coincidentally with Metamerism. Discuss through logical reasoning. **(20)**
- Q. No. 8.** Write short notes on any **FOUR** of the following: (05 each) **(20)**
- (a) Gas exchange in reptiles
- (b) Carbohydrates: Nature's Most Abundant Organic Substance
- (c) Mendel's Law of inheritance
- (d) Food chain
- (e) Social Behaviour and its impact on individuals
- (f) Composition of blood

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Reach out to us @ [info@thinked.co](mailto:info@thinked.co)  
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