

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

Roll Number

## **ZOOLOGY**

TIME ALL PART-I(MO	OWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS = 20 MAXIMUM MARKS = 80
NOTE: (i)	OTE: (i) Part-II is to be attempted on the separate Answer Book.		
(ii)	Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.		
(iii)	All the parts (if any) of each Question must be attempted at one place instead of at different		
	places.		
	Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.		
( <b>v</b> )			
(•)	be crossed.		
(vi)	Extra attempt of any question or any part of the attempted question will not be considered.		
	<u>P</u> A	ART – II	
Q. No. 2.	Discuss in detail how do the marine and terrestrial animals meet the problems of salt and water balance?		
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?		
Q. No. 4. A	Arthropod exoskeleton is the most co structure and explain the difference and in insects.	-	_
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.		
Q. No. 6.	<ul><li>(a) Discuss parasitic adaptation at</li><li>(b) Write note on structural and for</li></ul>	<b>±</b>	<u> </u>
Q. No. 7.	Metamerism profoundly influences v function, such as the anatomical arm Metamerism. Discuss through logical	angement of organs th	
Q. No. 8.	Write short notes on any <b>FOUR</b> of the (a) Gas exchange in reptiles (b) Carbohydrates: Nature's Most	_	(05 each) (2

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Mendel's Law of inheritance

Composition of blood

Social Behaviour and its impact on individuals

Food chain

(c)

(d)

(e)

(f)