

FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2017 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

ZOOLOGY

<u>ZOOLOGY</u>				
TIME ALLOWED: THREE HOURS PART-I(MCQS): MAXIMUM 30 MINUTES		PART-I (MCQS) PART-II	MAXIMUM MARKS = 20 MAXIMUM MARKS = 80	
(iii	Attempt ONLY FOUR questions from All the parts (if any) of each Questic places. Candidate must write Q. No. in the Ar	m PART-II. ALL quest on must be attempted at asswer Book in accordan	one place instead of at difference with Q. No. in the Q.Paper.	
(vi)	(vi) Extra attempt of any question or any part of the attempted question will not be considered.			
]	PART-II		
Q. No. 2.	How has the role of forests been identify various mechanisms designed in this attached to these mechanisms?		- , , ,	
Q. No. 3.	How the ecology of Arthropod vectors at different levels to introduce novel st	•	* * * * * * * * * * * * * * * * * * * *	
Q. No. 4.	How members of Hemichordata are different from Chordates? Highlight Phylogenetic (20) significance of different classes of Hemichordata.			
Q. No. 5.	Explain in detail the digestion of carbohydrates and fats in various segments of the gastrointestinal tract in simple stomach animals. (20)			
Q. No. 6.	One of the important functions of the hy endocrine system via the pituitary factors/hormones of hypothalamus cells/tissue/glands.	y gland (hypophysis)	. Enlist the releasing	
Q. No. 7.	Describe the synthesis, transport and fu of thyroid hormones is regulated in hy	•	` ,	
Q. No. 8.	Write short notes on any FOUR of the	following:	(5 each) (20	
	(a) Control of nematode paras	ites		
	(b) Neo-Darwinian theory			
	(c) Adaptability pattern of ma	ammals		
	(d) Advantages and disadvant modification	ages of allosteric regula	tion versus covalent	

Concept of second messenger in hormone action

Adaptation of fishes in cold and hot water

(f)