

FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT, 2014 ZOOLOGY, PAPER-I

<u>Roll Number</u>

			JOLUGY, PA	<u>1 L/N-1</u>					
TIME ALL		(PART-I MCQs)	30 MINUTES		MAXIMUM MA				
THREE HOURS		(PART-II) 2 HOURS & 30 MIN			FES MAXIMUM MARKS: 8				
NOTE:(i)		s to be attempted on the	*						
(ii)					TWO questions from	ı EAC			
(;;;)		N. ALL questions ca	• •		vith Q. No. in the Q. Pa	nor			
(iii) (iv)		-				-			
(11)) No Page/Space be left blank between the answers. All the blank pages of Answer Book mu be crossed.								
(v)									
			SECTION	I <u>-I</u>					
Q. No. 2.	(a) Write	(10 each)	(20)						
	(b) Descri	be protozoan parasite	s of public health	importance.					
Q. No. 3.	(a) Descri	be parasitic adaptatio	(10 each)	(20)					
		are the structure and f oids and crinoids.	function of water	vascular system of	asteroids,				
Q. No. 4.	(a) What is torsion and shell coiling? Describe their effects on gastropod structure and function. (10 each)					(20)			
	(b) Descri	be digestive system o	of insects with the	help of suitable la	belled diagram.				
Q. No. 5.	Write sho	rt notes on the follow	(5 each)	(20)					
	(a)) Toxoplasmosis	(b)	Metamorphosis					
	(c)	Parthenogenesis	(d)	Parasitasis					
			SECTION	<u>-II</u>					

Q. No. 6.	(a) Describe types of vertebrate neurons with the help of suitable labelled diagrams(s).				
	(b) Discuss various types of fish scales. (10 each)				
Q. No. 7.	(a) Describe biting apparatus of a poisonous snake and explain the biting mechanism.	(20)			
	(10 each)(b) Describe various types of primitive vertebrate heart. Illustrate answer with labelled diagram.				
Q. No. 8.	Write short notes on the followings: (5 each)	(20)			
	(a) Birds Migration and Navigation (b) Crocodiles and Alligators				
	(c) Turtles and Tortoises (d) Marsupials and Monotremes				



FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT, 2014 ZOOLOGY, PAPER-II

Roll Number

			JOLUGY, PAPEK-II				
TIME AL	LOWED:	(PART-I MCQs)	30 MINUTES	MAXIMUM MAI	RKS: 20		
THREE HOURS				MAXIMUM MAI	MAXIMUM MARKS: 80		
NOTE:(i)			he separate Answer Book.				
(ii)			ions from PART-II , selecting TW () questions from each	Section.		
(iii)	-	estions carry EQUA	L marks. n the Answer Book in accordance w	ith O No in the O Pa	ner		
(iv)			between the answers. All the blan		-		
	be crosse	ed.					
(v)	Extra atte	empt of any question	or any part of the attempted question	will not be considered			
			PART-II				
			SECTION-I				
Q. No. 2.	(a) Descr	ibe in detail the proce	ess of fat absorption in the small intes	stine. (10 each)	(20)		
		e and describe the r erior Pitutary glands.	najor roles of the hormones secrete	ed by Anterior and			
Q. No. 3.	(a) Describe the structure and Function of Mitochondria. (10 each)						
	(b) Discuss the Fluid Mosaic Model of cell membrane.						
Q. No. 4.	(a) Explain the law of Independent Assortment with the help of suitable examples.						
	(b) Write	a note on Genetic En	gineering.	(10 each)	(20)		
Q. No. 5.	(a) Explai	in the composition an	d important roles of plasma in the hu	ıman body.			
				(10 each)	(20)		
	(b) Discu filtrat	1 1 11	glomerular filtration and composition	on of the glomerular			
			SECTION-II				
Q. No. 6.	Write an essay on sources of environmental pollution and their impacts on biodiversity (20) and human health.						
Q. No. 7.	(a) Elaborate the modern concept of natural selection with suitable examples. (10 each)						
	(b) Discuss the Lamark's theory of Evolution.						
Q. No. 8.	3. Describe the physiologic anatomy of synapse. Discuss also special characteristics of synaptic transmission.						
