

FEDERAL PUBLIC SERVICE COMMISSION

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

Roll Number

Ser de		<u>Z(</u>	OOLOGY, PA	PER-I				
TIME ALLOWED:		(PART-I MCQs) 30 MINUTES		MAXIMUM MARKS: 20				
THREE H		(PART-II)	(PART-II) 2 HOURS & 30 MINUTES MAXIMUM N			RKS: 80		
NOTE:(i) (ii)								
(11)	SECTION. ALL questions carry EQUAL marks.							
	(iii) Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.							
(iv)	No Page be crosse		between the ans	wers. All the blar	ak pages of Answer B	ook must		
(v)			r any part of the	attempted question	will not be considered	l.		
			PART-	<u>u</u>				
			SECTION	<u>[-I</u>				
Q. No. 2.	(a) Write	an essay on parasitic z	zoonosis.		(10 each)	(20)		
	(b) Descri	ibe protozoan parasite	s of public health	importance.				
Q. No. 3.	(a) Descri	be parasitic adaptation	n in platyhelmintl	nes.	(10 each)	(20)		
		are the structure and froids and crinoids.	unction of water	vascular system of	asteroids,			
Q. No. 4.	(a) What is function	is torsion and shell coi	lling? Describe th	eir effects on gast	ropod structure and (10 each)	(20)		
	(b) Descri	ibe digestive system o	f insects with the	help of suitable la	belled diagram.			
Q. No. 5.	Write sho	rt notes on the followi	ngs:		(5 each)	(20)		
	(a)) Toxoplasmosis	(b)	Metamorphosis				
	(c)) Parthenogenesis	(d)	Parasitasis				
SECTION-II								
Q. No. 6.	(a) Descri	ibe types of vertebrate			shelled diagrams(s)	(20)		
Q. 110. 0.	. ,	ss various types of fish		neip of sandore it	(10 each)	(20)		
Q. No. 7.		the biting apparatus of		re and explain the		(20)		
Q. 140. 7.	(a) Descri	for ording apparatus of	a poisonous snar	c and explain the		(20)		
	(b) Descriding diagram	ibe various types of pr m.	imitive vertebrate	e heart. Illustrate a	(10 each) nswer with labelled			
Q. No. 8.	Write sho	rt notes on the followi	ngs:		(5 each)	(20)		
	(a)) Birds Migration and	Navigation (b)	Crocodiles and A	Alligators			
	(c)	Turtles and Tortoise	es (d)	Marsupials and M	Monotremes			



FEDERAL PUBLIC SERVICE COMMISSION

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

Roll Number

TIME ALI	LOWED:	(PART-I MCQs)	30 MINUTES	MAXIMUM MARKS: 20				
THREE HOURS		(PART-II)	2 HOURS & 30 MINUTES	MAXIMUM MARKS: 80				
NOTE:(i) Part-II is to be attempted on the separate Answer Book.								
(ii)	Attempt ONLY FOUR questions from PART-II, selecting TWO questions from each Section.							
ALL questions carry EQUAL marks.								
(iii)	Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.							
(iv)	No Page/Space be left blank between the answers. All the blank pages of Answer Book must							
	be crossed.							
(v)	Extra attempt of any question or any part of the attempted question will not be considered.							

	(iv)	No Page/Space be left blank between the answers. All the blank pages of Answer Be be crossed.	ook must						
	(v)	Extra attempt of any question or any part of the attempted question will not be considered	l.						
		PART-II							
SECTION-I									
	Q. No. 2.	(a) Describe in detail the process of fat absorption in the small intestine. (10 each)	(20)						
		(b) Name and describe the major roles of the hormones secreted by Anterior and Posterior Pitutary glands.							
	Q. No. 3.	(a) Describe the structure and Function of Mitochondria. (10 each)	(20)						
		(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 Engineering. (10 each)	(20)						
	Q. No. 5.	(a) Explain the composition and important roles of plasma in the human body.							
		(10 each)	(20)						
		(b) Discuss the physiology of glomerular filtration and composition of the glomerular filtrate.							
		SECTION-II							
	Q. No. 6.	Write an essay on sources of environmental pollution and their impacts on biodiversity and human health.	(20)						
	Q. No. 7.	(a) Elaborate the modern concept of natural selection with suitable examples. (10 each)	(20)						
		(b) Discuss the Lamark's theory of Evolution.							
	Q. No. 8.	Describe the physiologic anatomy of synapse. Discuss also special characteristics of synaptic transmission.	(20)						
