ZOOLOGY, PAPER-I



FEDERAL PUBLIC SERVICE COMMISSION **COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BPS-17 UNDER** THE FEDERAL GOVERNMENT, 2010

Roll Number

ZOOLOGY, PAPER-I

TIME ALLOWED:	(PART-I)	30 MINUTES	MAXIMUM MARKS:20
	(PART-II)	2 HOURS & 30 MINUTES	MAXIMUM MARKS:80

NOTE: (i) First attempt PART-I (MCQ) on separate Answer Sheet which shall be taken back after 30 minutes. Overwriting/cutting of the options/answers will not be given credit.

<u>PART – I (MCQ)</u> (<u>COMPULSORY)</u>								
Q.1. (i)	Select the best option/ar Chano cysts are found in (a) Coelentrate (d) Arthropoda	(b) Annelida (e) All of these	opriate box on the Ans (c) Porifera	wer Sheet. (20)				
(ii)	House fly is a common ir (a) 4	sect having legs. (b) 6	(c) 8	(d) None of these				
(iii)	Silver fish is included in: (a) Pisces	(b) Arthropoda	(c) Annelida	(d) None of these				
(iv)	Number of vertebrae in n (a) 10	eck of a giraffe are: (b) 5	(c) 7	(d) None of these				
(v)	Flame cell is typical of: (a) Annelida (e) None of these	(b) Chordata	(c) Porifera	(d) Platyhelminthes				
(vi)	Nervous system originate (a) Epidermis (e) All of these	es from: (b) Mesodermis	(c) Endodermis	(d) None of these				
(vii)	Mammals are characteriz (a) Mammary Glands	ed by: (b) Hair	(c) All of these	(d) None of these				
(viii)	Nucleus is not present in (a) Fish (e) None of these	RBC of: (b) Snake	(c) Bird	(d) Mammal				
(ix)	Scales in fish derive their (a) Epidermis	origin from: (b) Mesodermis	(c) Endodermis	(d) None of these				
(x)	Sound in insect is product (a) Mouth	ed through: (b) Tracheal movements	(c) Wing beat	(d) None of these				
(xi)	Sole of foot in man has _ (a) Dorsal	location: (b) Ventral	(c) lateral	(d) None of these				
(xii)	Coelome in adult mamma (a) Visceral cavity	als is represented by: (b) Cavity in brain	(c) Both of these	(d) None of these				
(xiii)	The Skelton in insects is: (a) Exoskeleton	(b) Endoskeleton	(c) None of these	(d) Both of these				

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(xiv)	Sea horse is included in: (a) Mammals	(b) Fish	(c) Reptiles	(d) None of these				
(xv)	Circulatory system is ope (a) Annelida	en type in: (b) Insecta	(c) Mammals	(d) None of these				
(xvi)	The body cavity is regarded as pseudocoele in Nematodes because: (a) Has ectodermal origin (b) Not completely lined by Mesodermal epithelium (c) Has endodermal origin (d) None of these (e) All of these							
(xvii)	True metaneric segmenta (a) Molluses	ation is characteristic o (b) Annelida	f: (c) Arthropoda	(d) None of these				
(xviii)	Hollow dorsal nervous sy (a) Amphiexus (e) All of these	ystem is present in: (b) Fish	(c) Mammals	(c) None of these				
(xix)	Contractile vacuole in pr (a) Excretion	otozoa is mainly respo (b) Osmoregulation	nsible for: (c) respiration	(d) None of these				
(xx)	Scorpion is included in: (a) Insecta	(b) Arachnida	(c) Echinodermata	(d) None of these				
		PAR'	T – II					
NOTE:	(ii) Attempt ONLY SECTION-I and (iii) Be precise in you	TWO from SECTION ar answers and draw lab	PART-II, selecting THR N-II. All questions carry E pelled diagrams, wherever if part of the attempted q	QUAL marks. required.				
		SECTION	N – I					
Q.2. (a) (b)			ticellular organism". Discunization". Justify the stater					
Q.3. (a)	formed? (3+7)							
(b)		=	ence to platyhelminthes.	(6)				
Q.4. (a) (b)								
(i)	ite short notes on: Echinoderm affinity Polymorphism – coeler	(ii) Shell in Mollus ntrata	ca (iii) Importance of N	(16) fematodes (4+4+4+4)				
		SECTION	<u>V – II</u>					
Q.6. (a) (b)			chordate character". Justify	(8) (8)				
Q.7. (a) (b)	Discuss evolution of heart in different chordate groups. (8) Give a brief account of embryonic membranes. (8)							
Q.8. (a) (b)								
Q.9. Wr	ite short notes on: (a) Scales in Fishes (c) Feathers in Birds	(b) (d)	Exoskeleton in mammals Desert adaptations in Rep	(16) (4+4+4+4) tiles				
