## **BIOLOGY QUESTION PAPER**

Max. Marks: 40

Time: 2 Hrs.

Q.1:	Select and write the most appropriate answer from the given alternatives in each sub-		
453	question. (1 Mark each)		
(1)	) Study of modes of transmission of diseases is called		
	(a) Parasitology		Epidemiology
4	(c) Nosology	(d)	Immunology
(ii)	Sarcoma is the cancer of	49.5	
	(a) blood		endodennal tissues
	(c) epithelial tissues		mesodermal tissues
(iii)			
	(a) HCl only		H <sub>2</sub> SO <sub>4</sub> only
	(c) HNO <sub>3</sub> only	(d)	KMnO <sub>4</sub> only
(iv)	WWW. stands for		
	(a) World Wide Work	(b)	World Wide Websurfing
	(c) World Wide Web	(d)	World Wise Web
、 、(v)	Which one of the following earthworms is particularly adapted for commercial production		
	of vermicompost?		
	(a) Field worms	(b)	Manure worms
	(c) Night crawlers	(d)	Round worms
(vi)	Which one of the following is not an In	dian major o	earp.
	(a) Cattle	(b)	Cyprinus
	(c) Labeo	(d)	Mrigala
(vii)	Haemoglobin is absent in the blood of	•••••	
	(a) Cockroach		Earthworm
4	(c) Frog	(d)	Rabbit
(viii)		4.5	
	(a) arteriole		capillary
(c) vein (d) veinules Q. 2 (A) Write the full form of ELISA. Name any two diseases, other than AIDS, which can be			
diagnosed by this test. (2)			
OR			
What is Database? Describe its types in brief.			
(B)	Explain vermicompost as bio-fertilize		(2)
,	OR		
	Explain the different modes of fish preservation.		
(C)	Explain the impact of population explosion on food supply. (2)		
(D)	What are the symptoms of AIDS? (2)		
Q.3 (	(2) A) Draw a neat and well labelled diagram of ventral view of heart.		
(B)	Describe the ill effects of drug addiction. (2)		
OR			
Describe indirect transmission of diseases in brief.			
(C)	Describe the structure of antibody.		(2)
(D)	Give the role of hormones released by neurohypophysis. (2)		
(2)	OR		
With suitable diagram describe the structure of unfertilized ovum.			
Q.4:	Attempt any TWO of the following:		
(A)	With suitable diagram describe the structure of nephron. (4)		
" (B)	With suitable diagram describe the structure of nephron. (4)  Explain the disorders caused due to hypothyroidism and hyperthyroidism. (4)		
	Define Cleavage. Describe the process of cleavage upto the formation of morula. (4)		
Q.5:	What is reflex action? Describe the different components of reflex arc. Add a note on		
mechanism of reflex action. (8)			
OR			
(A)	What is Blood Pressure? Describe different types of blood pressure and add a note on factors		
	affecting it.		(4)
(B)	What is Excretion? Describe the variou	us modes of o	excretion in animals. (4)