BIOLOGY QUESTION PAPER

Time :	2 Hrs.		Max. N	farks: 40
Q. 1.	Select and write the most appropriate an	swei .	from the given alternatives in each s	sub -
	question:			[8]
(i)	The causative agent of AIDS is			(1)
•	(a) Housefly	(b)	Mosquito	• • • • • • • • • • • • • • • • • • • •
	(c) Taenia		HIV	
(ii)	Which blood group hag no antibodies in the	he pla	sma ?	(1)
• •	(a) A	(b)	В	
	(c) AB	(d)	0	
(iii)	In Sonography, ultrasound waves are pro-	-	using crystals of	(1)
	(a) Lead acetate		Lead chloride	•
	(c) Lead zirconate	(d)		
(iv)	Which is the protein sequence database?	• •	• •	(1)
	(a) Gen Bank	(b)	DD B j	, ,
	(c) EMBL	• •	SWISS-PROT	
(v)	The deoxygenated blood from body is rec			(1)
	(a) Left auricle		Right auricle	()
	(c) Right ventricle		Left ventricle	
(vi)	Renal medulla contains	(-/		(1)
\ - /	(a) Columns of Bertini	(b)	Columns of Malpighi	ν-,
	(c) Columnae corneae	(d)		
(vii)		• •		(1)
	(a) Budding		Multiple fission	(-)
	(c) Binary fission	-	Fragmentation	
(viii)	The vas deferens starts from the	(4)	11461131144011	(1)
	(a) Corpus epididymis	(h)	Cauda epididymis	(-)
	(c) Caput epididymis	(d)		
0.24	A) Mention the methods of Fish preservation		10303	(2) [8]
Z. 2. (/	- · · · · · · · · · · · · · · · · · · ·	OR		(2) (0]
	Describe the production of Vermicompos		mall scale	
(B)	Give the uses of Electrocardiograph (ECG		muii Stuic.	(2)
(1)	Ol			(-)
	Give the applications of Bioinformatics.			
m	Sketch and label T. S. of Artery.			(2)
	Explain the terms - Cretinism and Myxoed	lama		(2)
	a) Give the Food Value of Fishes.	исцю.		(2)
_	Give the significance of Fertilization.			(2) [8]
(D)	•	OR		(2)
	Give the functions of Uterus.	JK		
m	What are the symptoms of AIDS?			(2)
	Give the role of any two hormones secrete	d by	Adanahunanhusis	(2)
(5)	•	OR	Adenonypophysis.	(2)
	Write a note on Parafollicular cells.	JK		
n 4 .	Attempt any TWO from the following:			[8]
	(A) Give the causative agent, symptoms and preventive measures of Typhoid.			
	B) Describe the Central Nervous System of			(4)
	Describe the impact of population explo			(4)
Q. 5:	Define Reflex action. Describe the comp	onent	s of reflex arc and give significance	
	action.			(8)[8]
		OR _	_	
	Explain the mechanism of working of Hu			(4)
(B	Describe the structure of Malpighian Corr	uscle	and add a note on Ultra-filtration.	(4)