BIOLOGY QUESTION PAPER

Time:	2 Hrs.		Max. M	1arks : 40
Q.1:	2.1: Select and write the most appropriate answer from the given alternatives in each sub-			
	question. [8]			
(i)	Population explosion in India is mainly due to)	*****	(1)
	(a) Decreased mortality	(b)	Climatic conditions	
	(c) Increased food production	(d)	Increased natality	
(ii)	The confirmatory test used to diagnose AIDS is			
			Western blot test	
	(c) PCR	(d)	Widal test	
(iii)	Visceral disorders can be detected with		4	(1)
` ,	(a) E.C.G.		Haemometer	
	(c) Sonography		Sphygmomanometer	
(iv)	Collection of the essential data in Bio-informa		. , ,	(1)
(,	(a) Files		Data base	(2)
	(c) Directory	• • •	Error	
(v)		•		ised for
(*)	Vermiculture?	. 0.	cartitivoriii is extensively t	(1)
	(a) Eudrigaster	(h)	Eudrilus	(1)
	(c) Pontoscolex	• •	Pheretima	
(v;)	• •	• •		(1)
(41)	Which of the following is not obtained in sea		r: Shark	(1)
	(a) Catla			
/::\	(c) Mackerel	• •	Sardine	(a)
(vii)	9 ,			(1)
	(a) Active transport	•	Diffusion	
٠	•		«Sardine	()
(viii)	The excretory product of fresh water fishes is			(1)
	(a) Urea	•	Uric acid	
	(c) Ammonia	(d)	Guanine	
Q. 2:	Answer the following questions:			[8]
	Describe in brief the uses of Sphygmomanometer.			OR
` '	Define the term Bio-informatics. Give any 'two' applications of Bio-informatics.			
(B)	Give the significance of Vermicompost.			OR
(Define Fishery. Mention in brief its types.			021
(C)	•	h ref	ference to human population.	
	What are the symptoms of Cancer?		Pop Zamen	
	Answer the following questions:			[8]
	Sketch and label V.S. of Human kidney.			(-)
	Explain common problems of adolescence.			OR
(0)	Explain any 'two' direct modes of transmission	n of c	liseases	O.K
(C	Write a short note on Hypersensitivity.	. 01 (
	Give the role of any 'two' Gonadotrophins.			OR
(0)	Give the functions of Uterus.			OK
Q. 4:	. —			fol
_		·	of Cookroach	[8]
(A)	· · · · · · · · · · · · · · · · · · ·			
(B)	Describe the histological structure of Thyroid gland. With the halp of quitable diagram describe the T.S. of testing			
	With the help of suitable diagram describe the	ie 1.	5. Of testis.	707
Q. 5:	0.	h	in internal atmentions in CVIII	[8]
/ 4 \	With the help of neat labelled diagram describe the internal structure of Human hear			
(A)		.		
(B)	Define Receptors. Describe different types of I	Kece	ptors.	