Paper Code			202	24 (1st-A					
Number: 4466 INT		INTERMED	IATE	PART	-II (12th Class)	Roll No:	Roll No:		
BIO	LOGY PAPER	-II GROUP-II		MTN-2-24					
TIME ALLOWED: 20 Minutes				OI	BJECTIVE	MAXIMUM N	MAXIMUM MARKS: 17		
Q.N	correct, fill tha	at bubble in front o	f that o	uestion	number, on bu	C and D. The choic abble sheet. Use ma ero mark in that que	e which you think is rker or pen to fill the		
S.#	QUESTIONS .			A	В	C	D		
1	Which one of these syndromes is rare X-linked recessive trait?		Color blindness		Testicular feminization	Hemophilia	Hypophosphatemic rickets		
2	Bacterial cells take up recombinant DNA when treated with:			$C\ell_2$	DNA ligase	RNA polymerase	Bacteriophage		
3	Luciferase enzyme is found only in:			it fly	Dragon fly	Fire fly	Butterfly		
4	The main cause of extinction of species is:		Pollution		Habitat destruction	Global warming	Parasitism		
5	The relationship between insects and flowering plants is an example of:		Mutu	alism	Parasitism	Commensatisms	Predation		
6	Which zone is rich in life in aquatic ecosystem?			undal ne	Limnetic zone	Littoral zone	All of these		
7	Stone cancer is a result of pollution.		Wa	ater (Soil	##Sound	Air		
8	Which one of these requires least amount of water for its elimination from body?		Crea	tinine	Unic acid	Ammonia	Urea		
9	There are muscles present in human body.			50	630	680	206		
10	The action of venus flytrap is called:			nasty	Photonasty	Phermonasty	Haptonasty		
11	Nociceptors in our body are related with:		Vibr	ation	Touch	Pain	Light		
12	Which one of these hormones promotes flowering in pineapple?		Au	xins	Ethene	Abscisic acid	Cytokinins		
13	Which of these is present between uterus and vagina?			genita uct	Oviduct	Cervix	Fallopian tube		
14	During chick development, nervous system arises from:		Ecto	derm	Mesoderm	Endoderm	Coelom		
15	In sickle cell anemia, valine is present in hemoglobin in place of:		Pra	line	Glutamine	Glutamic acid	Isoleucine		
16	X-Ray diffraction analysis of DNA was performed by:			win rgaff	Rosalind Franklin	Watson and Crick	Frederick Miescher		
17	In yeast, cell cycle is completed in:			ours	10 hours	4.5 hours	1.5 hours		

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		INTERM	2024 (1 st -A) EDIATE PART-II (12 th Class)	Roll No: MTN->-24				
BIOI	LOGY		OUP-II	100110171				
		VED: 2.40 Hours	SUBJECTIVE	MAXIMUM MARKS: 68				
			and its parts number on answer bo	ok, as given in the question paper.				
			SECTION-I	· · · · · · · · · · · · · · · · · · ·				
. At		eight parts.		8 × 2 = 16				
(i)			e in concentration of urine?					
(ii)			of Malpighian tubules in insects?					
(iii)	Why does temperature of body increase during fever?							
(iv)								
(v)	How does exercise affect a muscle?							
(vi)								
vii) viii)								
ix)								
(x)		ate between Prairies and						
(xi)	How are s	olid wastes useful in ove	ercoming energy crisis?					
xii)		auses of Beriberi and Ha						
		eight parts.	uomopmus.	8 × 2 = 16				
(i)		bituation. Give two exa	mples.	0 N2 - 10				
(ii)	Write the	role of a hormone in reg	ulation of bile and pancreatic juice se	ecretion.				
iii)	Give the f	unctions of sympathetic	nervous system.					
iv)			omes? Write one example.					
v)	Differenti	ate the sex-determination	n pattern in humans and birds.					
vi)	What are	Pseudoautosomal genes?	Give one example.					
/ii)	What are	Fransgenic bacteria? Gi	ve their role in cleaning up beaches.					
riii)	How Tran	sgenic bacteria are bette	r than Transgenic animals?					
ix)	What is m	eristem culture? Write i	ts one advantage.	<u> </u>				
x)	Draw a flo	w sheet of an energy py	ramid showing transfer of energy from	m producers to tertiary consumers.				
xi)		ate between Primary and						
cii)		terms habitat and niche						
	tempt any			$6 \times 2 = 12$				
ii)	What do w	ou know about discoidal	ic determinants during development of	of an individual.				
			quite universal". Justify this statemen	*				
v)	How is las	ging strand synthesized	in the replication process?	It.				
v)	What is po	int mutation? Give one	example					
		hase is called resting ph						
			ve its importance for future daughter of	cells.				
iii)	What are I	lydrothermal vents?						
x)	Differentia	te between Divergent ar	d Convergent evolution.					
			SECTION-II					
OTE:	Attempt	any three questions.		$3 \times 8 = 24$				
		ermoregulatory strategie		. 4				
b)	Describe N	Vecrosis and Apoptosis.		4				
(a)	Explain pr	ocess of repair of broker	bones.	4				
		te on Xerosere.		4				
			46					
a)	Discuss m	vier points of Domic's	the major factors involved in Resting					
			heory of natural selection.	. 4				
a)	Enlist the	names of different types	of asexual reproduction in animals.	4				
	Explain Pa	rthenogenesis and its typ	oes.					
b)	Write a no	e on Erythroblastosis fo		4				
-/		,	etalis.	7				
	Discuss the		etalis. lopment by giving the example of Ac					

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