n	01	2022 (A		Roll are.
Numb	OGY PAPER-II	GROUP-1	KI-II (12° L	ME ALLOWED: 20 Minute AXIMUM MARKS: 17
Note:	think is correct, fill that	bubble in front of that Cutting or filling two be awarded in case BU	question number, or more bubbles	and D. The choice which you on bubble sheet. Use marker will result in zero mark in the led. Do not solve question on
Q.No.1				
(1)	An enzymes $\alpha$ – galactos	idase can be used to trea	t human:	
	(A) Genetic diseases (B) !	Metabolic diseases (C)	Nutritional disease	(D) Lysosome storage disease
(2)	Endosymbiont hypothesis (A) Cuvier	was proposed by: (B) Lynn Margulis	(C) Lyell	(D) Malthus
(3)	The organisms which inha (A) Bacteria	(B) Fungi	(C) Algae	(D) Cyanobacteria
.(4)	Desert ecosystem of Mian (A) Cholistan	(B) That	(C) Thal	(D) Sahara
(5)	Treasure of all types of res	sources is:		
	(A) Climate	(B) Water	(C) Weath	(D) Environment
(6)	Flame cells are the parts of		- (C) Hydn	(D) Planaria
(7)	(A) Cockroach Muscle fatigue is cause.	(B) Earthworm	-	1
	(A) Lactic acid		(6) (0)	(D) Ethyl alcohol
(8)	The active conducting por	wood in older in	ses is:	
	(A) Bark	(B) Heart wood	(C) Sap wood	(D) Callus
(9)	Resting membrane potenti			m) 70 11
	(A) +50 mV	$(B) - 60 \mathrm{mV}$	(C) + 80  mV	(D) - 70  mV
(10)	The human embryo is refe			
	(A) 3 <sup>rd</sup> week	(B) 3 <sup>rd</sup> month	(C) 6 <sup>th</sup> month	(D) 6th week
(11)	Intercalary meristems are		2.07	- C - 1
	(A) Base of internode	(B) Shoot apex	(C) Root apex	(D) Top of internode
(12)	Optimum temperature for		2	
	(A) 5 − 10°C	(B) $10 - 20^{\circ}$ C	(C) $25 - 30^{\circ}$ C	(D) $30 - 40^{\circ}$ C
(13)	The Okazaki fragments in			m) 10 100
	(A) 1000 - 2000	(B) 100 - 200	1 /	
(14)	With the use of his plogic	al stains for DNA, a ne	work of very fine t	hreads can be visualized
	which is called: (A) Chromosomes		(C) Mitotic app	arans Tracenoniami
(15)	Chiasmata formation take			<b>D)</b> 7
	(A) Pachytene	B) Leptotene		(D) Zygotene
(16)	ABO blood group system (A) 19	is encoded by a single	porynaurphic gene ! (C) 3	(D) 29
(17)	An Ex-vivo meanod of ge (A) Familial hypercholes	ne therapy is being tried terolemia (B) Cancer	for the treatment (C) SCID	of: (D) Cystic fibrosis
Ans	M.22A.GI:1d,2b,3	a,4c,5d,6d,7a,8c,9	1,10b,11a,12c,1	

	y a	2022 (A)	Roll No:			
Control	IN	TERMEDIATE PART-II (	12th CLASS			
BIO	LOGY PAPER-II G	ROUP-I	This ALLUWI	D: 2.40 Hours		
12		SUBJECTIVE	OXIMUM MA			
NOT	E: Write same question :	umber and in dark number :	ingwer book.	MULD: VV		
	as given in the question	D II-	add it of ooding	11 (2)		
105		SECTION-I				
2.	Attempt any cigar p		T 30	8 × 2 = 16		
(i	Give osmoregulation	in fresh water protozoa and fresh v	vater fish	0 7 4 - 20		
(i	i) Give role of protonepl	aridium and flame cells in Planaria	1.			
(i	ii) Can we consider skin	as an excretory organ?				
(i		nents? Give an example.				
(v			9.9			
(v	i) Differentiate between plantigrade and digitigrade locomotions in mammals.					
	<ol> <li>What is parthenocarpy</li> </ol>	? How it can be induced artificial	ly?	- The Control of the		
	iii) State ovulation. How			a a		
17.0		ms are found in Pakistan?	21 28	2. 1		
(X	The state of the s	n aquatic ecosystem can be determ	nined?			
(X	<ol> <li>Enlist some main type</li> </ol>	s of pollution (At least 4).				
. (X	ii) What do you know abo	out Hydro electric power?				
3.	Attempt any eight pa	erts.		8 x 2 m 16		
(i			Ø) 1/3			
(i		do the brain and spinal cord have i	n common?	3		
(i	ii) Why Hormones are o	alled chemical messengers?				
(1	v) Investigate the reason	for O-ve (Negative) individuals	SS-SMB-NUT VITA			
- (1	Write the differences	between dominance and sp				
(1	What is probability?	How probability duce relies up as	100 A. (2)			
-	ii) Write the role of restr	CHOM CENTER AND THE BEST DIVIN	III.			
-	iii) What are the applica	Wen.	2			
	x) What is Taq polymor.					
()	74(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	w might the early species facilitat	te the arrival of other specie	:5?		
(X	The state of the s					
(X	ii) Differentiate between	consumers and decomposers.				
4.	Attempt any six part		7.0	6 × 2 = 12		
(i)		ction occurs? Who reported it?				
(ii	) Compare cleavage at	d gastrulation.				
(ii	i) State chromosome th	eory of inheritance? Who had pro	posed this theory?	- E		
(iv	). Enlist names of chron	nosomes on the bases of location of	of centromere.			
(v	Differentiate between	a nucleotide and a nucleoside.				
(V		ase of meiosis.				
(v	A CONTRACTOR OF THE PARTY OF TH	necrosis and apoptosis.				
	iii) Differentiate between	species and population.	565			
(i)	What are endangered	species? Give example.	* 10 g to 10			
	****	SECTION-II				
NOTE	and among day	stions.		3 x 8 = 24		
5.(a)	Discuss the nature of excre	ctory products in relation to the ha	bitat of animals.	4		
(b)	Describe the events of nitr	ogen cycle in detail.	2000	1		
6.(a)		cdysis take place? Give its variou	D. of State Control			
(b)	Describe various types of l	Mutation:	A MESTA WHAT IT SHELL PROSTING	, 9 ,		
7.(a)			-577			
(b)	Write a note on wild life	planaria ber	or nydra?	4		
	Discussion who life. I	Epines in my represent at stability (	of ecosystem.	4		
8.(a)	Discuss role of phytochean	ngs tit httombouogram.		4		
(p)	Write a note on inc.		www.vest	4		
9.(a)	Discuss role of nucleus in	development. How it controls the	developmental process.	4		
(b)	Give endosymbiont and me	embrane invagination hypothesis i	n detail.	4		
			- property	- 1 MC		