Roll No	( 10 De 11	led in by the candidate)
DIOLO	(Academic Sessions $2020 - 2022$ to $2022 - 2024$	)
	224-1 <sup>st</sup> Annual-(INTER PART – II)	Time Allowed: 20 Minute
Q.PAPI	APER – II (Objective Type) GROUP – I	Maximum Marks · 17
Note ·	PAPER CODE = 8463 LH	R-1-24
	Four possible answers A, B, C and D to each question are given. The c fill that circle in front of that question with Marker or Pen ink in the two or more circles will result in zero mark in that question.	hoice which you think is correct,
	two or more circles will result in zero mark in that question.	answer-book Cutting or filling
1-1	-1 Nervous system of hydra lacks:	C. Prest
		anglia (D) Motor neurons
2	2 A set of three nucleotides on tRNA specifying a particular amin	no poid is called
	(A) Code (B) Genetic code (C) Codor	
3	The oldest homologous structures are:	(D) Anticodon
	(A) Gills (B) Lungs (C) Human car	
4	Which one of the following is not a nutritional disorder:	muscles (D) Eyes
	(A) Kwashiorkor (B) Goitre (C) Scurvy	(D) 0
5		(D) Osteoarthritis
6	/ Inclinute	ulation (D) Both A and C
	(A) CCID	
7	(2) This (C) Cysuc libra	osis (D) Both A and B
	(A) Y: :	
	(A) Lignin (B) Branched pits (C) Non-living	(D) Elastic
	(2)	(Turn Over)
1-8		XXII. 1 1' 1
	than albinism can occur in his children:	man. which disorder other
	(A) Protanopia (B) Leukemia (C) Deuteranop	ia (D) Bath Bart G
9	Grassland in tropical climate is called:	ia (D) Both B and C
	(A) Prairies (B) Savanna (C) Pampas	(D) T:
10		(D) Taiga
	(A) Pericycle (B) Pith (C) Cortex	(D) D 1 1 1 2
11		(D) Both A and C
	(A) Nervous system (B) Ecdysone (C) Enzyme	(D) 111 011
12		(D) All of these
	(A) 3 (B) 2 (C) 1	
13		(D) 5
	(A) Ful	(D) D 1 .
14	(C) CYTOKIIIII	(D) Both A and C
	(A) AZ - ZZ	Alleria carini di di Carini
15	(-) (-) (-)	(D) 46 + X
	among the following .	
	, and a second	
16	(C) NAA ↔ fruit set (D) Auxins ↔ geotropism	
10	de la gene count de la trans-memorane carrier of (	chloride ions, suffers from:
	(A) SCID (B) Cystic fibrosis (C) Cancer	(D) Hodgkin's lymphoma
	Which of the following is a macronutrient:	
	(A) Iron (B) Iodine (C) Molybdenum	
	192-224-I-(Objectiv	e Type)- 10000 (8463)

Roll N	( To be filled in by the candidate)		
DIOLO	(Academic Sessions 2020 – 2022 to 2022 – 2024)		
BIOLO	H/F Thoward . 2.40 hours		
PAPER	- II (Essay Type) GROUP - I Maximum Marks: 68		
2 337	SECTION - I LHR-1-24		
2. Wri	te short answers to any EIGHT (8) questions:		
(ii)	"Nature of excretory products is related to habitats". Justify the statement.		
	How are plants adapted to low temperature? Why the trees are called environmental buffers?		
	Elaborate the role of corpus luteum in menstrual cycle.		
(v)	What do you know about "Rigor Mortis"? (vi) What are the affects of antidiuretic hormone?		
(vii)	Differentiate tetany and tetanus. (viii) Draw the labelled diagram of a sarcomere.		
	Where Thal and Thar are situated? (x) Enlist ecosystems in Pakistan.		
(xi)	How can we save energy? (xii) What is menopause? At what age it starts?		
3. Writ	e short answers to any EIGHT (8) questions :		
	What are Meissners corpuscles?		
(11)	Define Neurotransmitters? Also give examples.		
	Write down importance of midbrain.		
(iv)	Distinguish between homozygote and heterozygote. Why sex influenced traits are common in one sex?		
(vi)	Why urine is preferable vehicle for biotechnology product?		
(vii)	Define pleiotropy with examples. (viii) Write down goals of human genome project.		
	What problem is related to Denitrification? (x) Distinguish between Habitat and Niche?		
(xi)	Give sketch of a food web. (xii) List the different ways to get gene of interest.		
	(Turn Over)		
	(2)		
4 W		2	
	How temperature affects growth of plant?	-	
(ii) Differentiate apical dominance and compensatory effect.			
	How does DNA fibre coil tightly?		
	What are the genetic basis of sickle cell anaemia?		
	How recombination of genes arise during meiosis?		
	Define genetic code. Give an example. (vii) What is apoptosis?		
(viii)			
<b>N</b> 7 .	SECTION – II		
Note:			
5. (a)	Write down the classification scheme of animals on the basis of thermal characteristics	4	
(b)	of their environment.  What is non-disjunction? Write its genetic consequence with the example	4	
(0)	an a i	4	
6 (0)	W		
		4 4	
7. (a)			
7. (a) (b)		4 4	
8. (a) (b)		4 4	
		1	
9. (a) (b)	What is growth? Describe different phases of growth in plants.  Write a comprehensive note on gene sequencing.	4	
(0)		+ 0	
	192-224-I-(Essay Type)-4	,,,,	