Sig. of	Supdt	KT-XI-1901 Biology (Part – I Fresh/Reappear	Fic. No	
Note: T Superin Time:	tendent within the given time. M 20 Mins	Obile phone etc. are not allowed in Section "A" B. C or D in the empty hox provide	ction — A on the same paper and	Marks: 85 return it to the Marks: 18
i.	Respiration in spider and	scorpion occur through piracles C. Sk		s D
įl.		ach is secreted by eptic cells C. De		V
iii.		ile lamella is commonly comp ellulose C. Liç	posed of	C
iv.	Nitrocellulose is used in A. Explosive B. P	aper making C. Te	ı	A A
٧.	Number of DNA molecule A. 12 B. 0	/molecules in the nucleold of 4 C. 03		
vi.		ree Hydrogen bonds with denine C. Cy		
Vii	Most of fatty acids in cell of A. 2 - 30 B. 4	contain carbon atoms per mo - 8		<u>c</u>
vili.		od is regulated by a hormone	e called dosterone D. Testostero	ne
ix.		from each other by the differ	ence in their : arboxyl group D. Hydrogen	8
Χ.	The second second second	me catalase is	6 D. 7.0	D
Xi.	Which of the following en: A Maltase B. T	zyme works best at a PH of 4 rypsin C. Ur	l.5. ease D. Invertase	1
: xli.		tion phase of an aerobic res	,	B
xiii.	A. 36 B. 0 In photorespiration Glycin	e is synthesized in cell organ	nelle	B
xiv.	The final electron accepto	or In Non-cyclic electron path		P
xv.	All of the following are the	NADP C. Ps non living characters of viru	s except	C
xvi.	Cadang - cadang is a dise	ease caused by	utation D. All of these	1
xvii.	A. Virus B. V Trypanosoma belongs to	irlod C. Pr	ion D. Bacteria	<u>[U</u>
xviii.	A. Zooflagellates B. C		olicomplexan D. None	· [c
	A. Rhynia B. C		ilotum D. None	

K-484

Time: 2:40 Hours

KT-XI-1901

Biology (Part - I)

Fresh/Reappear

Section "B"

Marks: 40

- Q.2 Attempt any TEN parts. All parts carry equal marks.
 - i. Differentiate peroxisomes from Glyoxisomes.
 - ii. Why mitochondrion is called as self replicating organelle? Draw its structure also.
 - iii. Write a note on oligosaccharldes.
 - iv. Write the various types of lipids. Draw the structural formula of triglycerides.
 - v. Write four differences between C₄ plants and C₃ plants.
 - vi. Explain the structure of Human Immune virus.
- vii. Why sphenospida is called Horse tail? Explain its Sporophyte.
- Explain evolution of megaphyllous leaf.
- ix. Write the main characteristics of chordates
- x. What is Bulimia nervosa? Write its symptoms.
- xi. Explain the role of liver in Detoxification.
- xii. Write a note on peristalsis.
- xiii. What is pyrogen? Write the benefits of fever.

Section "C"

Marks: 27

Note: Attempt any THREE questions. All questions carry equal marks.

- Q.3 Define cellular respiration, write a detail note on Kreb's Cycle.
- Q.4 Explain the life Cycle of Adiantum.
- Q.5 Explain the structure of DNA.
- Q.6 Write note on any two of the following.
 - a. Typhoid Fever
 - b. Herpes
 - c. Lichens