Sig. of Supdt		Biology (Part – II) Fresh/Reappear		Roll No.	Roll No		
			Fic	. No	***********		
Time	allowed: 3 Hrs	Biology (- ait - iii	No Code-A	Mi	erke: 85	
Time	There are three sections of the intendent within the given time. M: 20 Mins	e paper, A, B & C. oblie phone etc. are n Section	Attempt Section — / ot allowed in the exa n "A"	mination halt,	LL	It to the	
Q.1	Write the correct option (.e. A, awarded for cutting, erasing or	8 C or D in the emph	y box provided oppos	ite to each p	art. No marks will be	AIKS. IQ	
1.	. Who developed vaccine for	or the first time?		٠.		B	
	A. John Mendel B	Edward Jenner	C. Charles Dan	win	D. Louis Pasteur	الخا	
11.	Brand Language Profit	s is common to bo Pharynx	th digestive and re C. Larynx	espiratory s	ystem? D. Oesophagus	<u>B</u>	
III.	The state of the s					B	
iv.	Animals that rely on heat demperature are called	Otitis media larived from the en	C. Emphysema vironment than me	i etabolic hea	D. Pneumonia at to raise their bod	у [С]	
•		Homeotherins	C. Ectotherms		D. Endotherms		
v.	A. Osteocytes B.		C. Osteoblasts		D. Osteoclasta	A	
vi.	Jud Stipatobo	from receptors to a Motor Neurons	the central Nervol C, Sensory Neu	is system a irons	re called: D. None of them		
vii.	Largest part of human's bre		C. Cerebelium		D. Cerebrum	D	
vili.	Calcitenin is a hormone bei A. Thyroid gland B.	ng secreted by Parathyrold gland	C. Pitullary glan		D. Adrenal gland	A	
ix.	Innate behavior will always A. Heritable B.	be Intrinsic	C. Stereotypic		D. All of them	D	
X ,	The inner spongy lining of u.A. Perimetrium B.	iterine cavity is cal Myometrium	ed C. Endometrium		D. Periosteum		
Xi.	The type of internal fertilizat A. Internal fertilization ⁴ B. I	ion that is carried a	out outside the boo C. in vitre fertiliz		e is called; D. Double fertilization	_ <u>C</u>	
. xli.	During development, nervot A. Ectoderm B. I	Viesoderm	C. Endoderm	loped by	D Poridom	A	
XIII.	The phenomenon in which the effect caused by anothe A. Epistasis B.	he effect caused b r gene at another l \poptosis	y the gene at one ocus is called C. Necrosis	locus interi	eres with or hides	A	
xiv.	The regulatory region locate			•	D. Synopsis		
٠	A. reminator B. F	'romoter	C. Intron		D. Operan	B	
XV.	The study of birds is called . A. Ichthyology B. I.	lerpetology ·	C Omittrology) Entaralem	<u>C</u>	
xvi.	The amount of energy left at	ter plants have me	t their respiratory	needs is ne	D. Entomology et primary	D	
, , ,	production, which shows up A. Food reserve B. E		 C. Respiration ra	te. r	D. Photosynthesis r	B	
xvii.	Cell suspension culture of C	inchona ledgeriana	the second secon	*****		A	
xviii.	Complete set of chromosom	AT THE RESERVE OF THE PARTY OF	somal genes of a	n organism	is known as	Ó	

Time: 2:40 Hours

KT-XII-1901 Biology (Part – II) Fresh/Reappear

Section "B"

Marks: 40

- Q.2 Attempt any TEN parts. All parts carry equal marks.
 - i. Write short note on Hamburger's Phenomenon.
 - II. What is meant by Anhydroblosis? Briefly describe it in terrestrial animals.
 - ill. What are Muscles? Briefly describe their types.
 - iv. What is Spinal Card? Briefly describe its functions.
 - v. Write short note on thyrold gland.
 - vl. Write short note on Operant Learning.
 - vii. What is Spermatogenesis? Briefly describe it in humans.
- vili. Write short note on the importance of Cytoplasm in development.
- ix. What are Multiple Alleles? Briefly describe them with the help of a suitable examples.
- x. Write short note on Replication of DNA.
- xi. What is Speciation? Differentiate between Sympatric and Allopatric Speciation.
- xii. What are Blological Vectors? Give their any two examples.
- xill. What are Vaccine? Briefly describe their historical back ground.

Section "C"

Marks: 27

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

- Q.3 What is Brain? Name its parts and describe their functions.
- Q.4 Describe in detail the pattern of sex-Determination in different organism.
- Q.5 Write a detail note on Transport of carbon dioxide.
- Q.6 Write a detail note on Nitrogen Cycle. Also draw its neat and label diagram.