	1165	2018 (oll No			
Nu	umber: 4465	INTERMEDIATE P	PART-II (12th CLAS	SS)			
BIC	OLOGY PAPER	-II (NEW SCHEME)	GROUP-I M	N-G1-12-18			
TIN	ME ALLOWED: 20		BJECTIVE	MAXIMUM MARKS: 17			
Cut	ting or filling two or stions as given in objections as given in objections are not f	oices for each objective type bubble in front of that quest more bubbles will result in a ective type question paper a illed. Do not solve question	e question as A, B, C artion number. Use mark tero mark in that ques	nd D. The choice which you ker or pen to fill the bubbles. tion. Attempt as many			
			rome (C) Dovum's Com d	(D) I 1			
(A) Klinefelter's Syndrome (B) Turner's Syndrome (C) Down's Syndrome (D) Jacobs The full cell cycle in yeast cells is completed in:-							
. ,	(A) 24 hours	(B) 4.5 hours		(D) 00 1			
(3)		rocess/fibres which carry imp	(C) 30 minutes	(D) 90 minutes			
. ,	(A) Dendron	(B) Axons					
(4)		n is judged to be maximum of	(C) Nissl's granules	(D) Neurofibrils			
	(A) $60 - 70$ years						
(5)	100	(B) 70 – 100 years		(D) 130 – 135 years			
(0)	(A) Leucine	a code for glutamic acid is rep					
(6)		(B) Histidine	(C) Valine	(D) Proline			
,	(A) A	blood group is blood gro					
7)		(B) B	(C) AB	(D) O			
,,,	is naivested from:-	actosidase that can be used to	treat a human lysosome	e storage disease,			
0)	(A) Soyabeans	(B) Tobacco plants	(C) Sugarcane	(D) Corn plants			
(8)	The first photosynthetic organisms probably used Hydrogen Sulphide as a source of Hydrogen for reducing CO_2 to:-						
	(A) Sugars	(B) H_2CO_3	(C) RUBP	(D) Malate			
9)	Primary succession	Primary succession may start in a dry soil or rock is called:-					
	(A) Hydrosere	(B) Xerosere	(C) Desert	(D) Derosere			
10)	Cacti and Euphorbia	a are the desert plants which s	store water in their:-				
	(A) Fleshy leaves	(B) Fleshy buds	(C) Fleshy stems	(D) Fleshy roots			
11)	(A) One million O_3			y as:-			
12)	(C) Four millions O	molecules (D) Six mill	ions O_3 molecules				
12)	is not Ende						
13)	(A) Bird	(B) Amphibian	(C) Flying insect	(D) Some fishes			
13)	Glomerular filtrate						
(4)		(B) Bowman's capsule	(C) Loop of Henle	(D) Distal tubule			
		bounds vacuole is called:-					
5)	(A) Primary cell	(B) Vascular wall	(C) Pelicle	(D) Tonoplast			
5)		n is modified to form:-					
6)	(A) Keel	(B) Neck	(C) Rib	(D) Clavicle			
(6)	rruit ripening is ofte	en accompanied by a burst of	respiratory activity calle	ed:-			
•	(A) Biometric	(B) Redox	(C) Climacteric	(D) Photorespiration			
7)	An example of long-	day plants is:-					
	(A) Tomato	(B) Cabbage	(C) Corn	(D) Sovahean			

2018 (A)) Roll N	Io:
DIATE PAI	RT-II (12 th CLASS)	MTN-91-12-18
HEME)	GROUP-I	MIN-41-12-18

INTERME

BIOLOGY PAPER-II (NEW SCHEME) **GROUP-I** TIME ALLOWED: 2.40 Hours **SUBJECTIVE**

MAXIMUM MARKS: 68

NOTE: - Write same question number and its part number on answer book, as given in the question paper.

_		SECTION-I	
2.	C)	Attempt any eight parts.	$8 \times 2 = 16$
	(i)	What is Lithotripsy?	
	(ii) (iii)	Why temperature of body increases during fever? Explain. Differentiate between fibres and sclereides.	
	(iv)	What is "All or None response"?	
	(v)	Define Vernalisation.	
	(vi)	What is meant by "After birth"?	
	(vii)	Differentiate between Climate and Weather.	
	(viii)	Define Productivity of an Ecosystem.	
	(ix)	What are heat-shock Proteins?	
	(x)	What is cause and symptoms of Rickets?	
	(xi)	How forests act as environmental buffers?	
	(xii)	Define Demography.	
3.		Attempt any eight parts.	
٠.	(i)	Define Nissl's granules.	$8 \times 2 = 16$
	(ii)	What are Neurotransmitters? Give examples.	
	(iii)	Write two functions of Parathyroid gland.	
	(iv)	Differentiate between gene and allele.	
	(v)	What is Epistasis? Differentiate it from dominance.	
	(vi)	Define Crossing Over. Give its importance.	
	(vii)	Write three methods to get gene of interest.	
	(viii)	What is Probe? How is it traced?	
	(ix)	What do you know about the Particle Gun?	
	(x)	Compare Autecology with Synecology.	
	(xi)	Differentiate between Primary and Secondary Succession.	
	(xii)	What are Lichens? Write its significance.	
4.		Attempt any six parts.	$6 \times 2 = 12$
	(i)	Write practical applications of Apical dominance.	
	(ii)	Write about cleavage and discoidal cleavage.	
	(iii)	Write the functions of DNA polymerase III.	
	(iv)	Differentiate between Pyrimidines and Purines.	
	(v)	Define Phenylketonuria.	
	(vi)	Write symptoms of Turner's Syndrome.	
	(vii) (viii)	Define cell cycle. Write its phases.	
	(ix)	Define Hardy-Weinberg Theorem and also write its formula. What is Endosymbiont hypothesis?	
	(111)	That is Endosymblom hypothesis?	
		SECTION-II	
		Attempt any three questions.	$3 \times 8 = 24$
5.(8	i) D	iscuss the nature of excretory products in different habitats.	4
(1) D	efine Ecosystem. Describe various components of an ecosystem.	- 4
6.(8	a) D	escribe Exoskeleton in arthropods. Write its advantages and disadvantages.	. 4
(t		xplain one-gene/one-polypeptide hypothesis.	4
	, –	persone perspeptide hypothesis.	4
7.(2	a) D	efine nerve impulse. Explain factors responsible for resting membrane potential.	4
1000		rite a note on Wild life.	
(1) W	The a note on which me.	4
8.(2) W	rite notes on:- (i) Seed Dormancy (ii) Fruit set and Fruit ripening	4
			4
(1) D	escribe genetic basis of ABO blood group system.	4

Write a note on abnormal development.

Discuss comparative anatomy as an evidence of Evolution.

9.(a)

(b)