## BIOLOGY (Fresh) Class 9th Time: 20 Minutes

Marks: 12

0	
<b>②</b>	•
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Paper Code

Roll No. Student	of	the				
Student						

Serial No. Of the Answer Book

M 10

ultiple	Choice Questio	ens.		
Mark	for each			

SEC	TI	ON	-A

16		SECTION-A	
te:		•.	

- Attempting all MCQs is compulsory. This paper along with the OMR sheet must be returned to the superintendent after due time.
- i) Fill the circle ( ) ( ) ( ), which one is correct with blue or black ball point, in this sheet as well as in separate OMR Sheet like
- i) If more than one circle in the OMR sheet is filled then no credit will be given to such answer,

Whic	h vitamin is fat-solable						
<b>(A)</b>	vitamin "A"	·	 Vitamin "B"	(A)	Vitamin "K"		Vitamin "D"
	is a:		Vitalitit D		Attimitit K	<b>(b)</b>	vitainii D
	18 tt.	4.	• 4.				
•	Nucleotide	(ii)	Lipid	©	Enzyme	<b>(9)</b>	Carbohydrate
Felis	domesticus is the scier	itifice.pa	ame of	·-•			·
<b>(A)</b>	Lion	<ul><li>(a)</li></ul>	Dog	•	Cat	<b>③</b>	Tiger
The n	number of fish water fie	esh spec	ies in Pakstan are	17			
<b>(A)</b>	179	<b>(b)</b>	189	©	190	0	195
The bi	ranch of biology which d	leals with	the transmission of h	eredity	from parents to offs;	oring is	called
· <b>(</b>	Biotechnology	•	Genetics	0	Marphology	0	Physiology
In bio	ological experiments te	sting of	hypothesis is based	on	•		
<b>(A)</b>	Conclusion	•	Deduction	<b>©</b>	Data	<b>®</b>	Observation
A sev	ere deficiency of vitan	nin "Ç"	causes	di	sease.		
<u>(A)</u>	Night blindness	•	Scurvy	<b>©</b>	Beri Beri	<b>(</b>	Blindness
lon to	which oxygen is attac	t in t	he hemoglobin is		···	•	
<b>(A)</b>	Calcium	•	Sodium	<b>©</b>	Potassium	•	Iron
In wh	nat phase of Mitosis Ci	w womoso	mes become divide		•	•	•
<b>(A)</b>	Prophase	(a)	Metaphase	<b>©</b>	Araphase	<b>(b)</b>	Telophase
Study	of insects is called	<del></del>	······································	•			•
<b>®</b>	Immunology	<b>©</b>	Parasitology	<b>.</b> •	Entomology	0	Paleontology
Blue	green algae belongs to	kingdor	n				
<b>(</b>	Protista	<b>(B)</b>	Fungi		Monera	0	Proifera
Insid	e the nuclues, grandula	ur matte	r is				
•	Cytoplasm	<b>(B)</b>	Protoplasm	<b>©</b>	Nucleoplasm	<b>©</b>	Cell sap

## BIOLOGY (Fresh) 9th

Note: Time allowed for section B and C is 2 hours and 40 minutes.

i idote: 1	SECTION "B"	Marks: 32
11.	Attempt any EIGHT Parts out of the following. Each Part carries equal mark	<b>68.</b>
<b>14.</b>	i. Write note on the contribution of Abu Usman Umer Aljahiz.	
	ii. Briefly discuss that Mathematics as integral part of Science.	
	iii. Enlist the names endangered species of plants and animals of Pakistan.	
	iv. Write down note on Golgi bodies.	
	v. Describe Supporting tissues or Mechanical tissues of plant.	
	vi. What is a cell cycle?	
	vii. Write mechanism of enzyme action (Lock and key Model).	
	viii. Write any four environmental hazards related to use of fertilizers.	
	ix. Describe the causes of malnutrition.	
	x. Explain the significance of Transpiration.	
•	xi. Write note on capillaries.	•
•	SECTION "C"	Marks: 21
· Set due Alf	ttempt any THREE questions of the following. Each question carries equal M	arks.
	(a) Define the terms Species, Population, Community and Ecosystem	. 4
III.	(b) Describe the Hypothesis of A.F.A king and Ronald Ross about Malaria.	3
14.7	(a) Discuss the causes and effects of deforestation.	<b>3</b>
IV.	(b) Define cell. Explain the cell membrane and Nucleus of a cell.	
	(a) What is Mitosis? Explain various phases of Mitosis in detail.	4
٧.	(b) Explain Respiratory Electron transport Chain.	3
VI.	to the transportation in balanced diet.	3
V 1.	(b) Explain Red Blood cells or Erythrocytes in blood.	4
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