	2014-2015	DOLOGY	An	nual Ex	amination	
	Sec	ion-A(MCC	)'s)			
Q.1	Choose the Correct Answers of the following:					
(i)	The process of clotting of blood involves:					
	(a) RBCs (b) Platell		(c) WBCs	(d) Both	n (b) and (c)	
(ii)	Filaments present in Flagella and				Waller Control of the	
	(a) Microfilaments (b) Microti (d) Microvilli	ubules	(c) Intermedia	ate filame	nts	
7:::5						
(iii)	Which of the follwoing is not a sub group of Chordata?  (a) Cephalochordata  (b) Urochordata  (c) Hemichordata  (d) None of these					
(iv)	Inactive Tryposingoenis changed to Trypsin by					
1.1			(c) Secretin			
(v)	This part of enzyme is an organ	ic molecule	s, about 1% of	entire en	zyme and easily	
	sparable. (a) Co-enzyme (b) Apeo	0.71.000	(a) Activator	(d) D-	andlandia array	
(vi)	The arched or dome-shaped pa				osthetic group	
(*./	(a) Diaphragm (b) Septu		(c) Peritone		(d) Pericardium	
(vii)	Which one of the following is co					
	(a) Proxysome and Lysosome					
	(c) Nucleus and Chloroplat (d) Nucleus and Lysosome					
(viii)	Glycolipids and Lipoportiens are					
	(a) Proteins (b) Nucleic acids	, ,	one marrow	(d) Ce	llular membrane	
Note:		-B (Short		N- 0		
Note.	Answer any TEN of the following questions. Question No.2 is compulsory which carries 03 marks and other all question carry 02 marks.					
Q.2	Distinguist any ONE of the follo		23ttorr carry o	Z IIIdi Ko.		
	(i) Nucvleus and Nucleolus					
	(ii) Urochordate and Cephalochordata					
Q.3	What is Fluid Mosaic Model?					
Q.4	In which type of cells smooth en	doplaism re	eliculum is four	nd mostty	and what are its	
0.5	funtions?					
Q.5	On what basis kingdom animalia is classified into two sub-kingdoms? Name these					
Q.6	sub-kindgoms and the phyla included in them.  What is INNATE IMMUNITY? What are its characteeristic features?					
Q.7	Define any TWO of the following					
		) Hydrolysis	i			
	,,	) Pinocytos				
Q.8	How complete ventilation is achieved by birds?					
Q.9	At a certain high substrate concentration the reaction of the enzyme slows down or stops, why?					
Q.10	Describe the groups of Proteins associated with Plasma membrane.					
Q.11 Q.12	How the lining of mid gut in cockraoch is protected from hard particles?  Where are SA node, AV noe, Purkinje fibres and "Bundles of His" located in the heart					
Q. 12	and what functions they perform	7	and bundles	of mis loc	ated in the heart	
Q.13		What do you understand by the terms, anorexia nervose and bulimla nervosa?				
Q.14				2.10 00	iid rici vosa :	
	,	Section-C				
(Descriptive Answer)						
Note:	Answer any ONE of the follow			vhich ca	rries 13 marks.	
	Draw labeled discreme when	0 000000	24			
Q.15	Draw labeled diagrams when  (a) Write down the diagnosticy			ROPOD	A and three of its	
Q. 10	(a) Write down the diagnostic features of phylium ARTHROPODA and three of its classes .Give examples.					
82_000 H 64	(b) What is Tracheal system? Explain with the help of suitable diagram.					
Q.16						
	(b) What is HOLOZOIC NUTRIT	ION? Desc	ribe the chract	eristic pro	ocesses involved	

in Holozoic Nutrition giving the example of planaria.