	Biology		Lahore	Board 2	2016	Inter Part-I Group – I	
	Time: 20 Min.		Objec	tive Typ	e	Marks = 17	
	Note:		ble answ	ers A, E	3, C a	and D to each	
						ich you think is	
						at question with	
						ook. Cutting or in zero mark in	
		that question		CICS WIII	rosun	. III Zelo Illaik III	
1	1.1	The study of		s called :			
		(A) Paleonto		(B) Histo	logy		
	-	(C) Microbio		(D) Para	•	, ,	
	2.		ells the wa		ntage	is:	
		(A) 70%		(B) 40%			
	2	(C) 60%	m tompor	(D) 50%	007	me to work at	
	2.5	maximum ra			enzy	me to work at	
		(A) 35°	te iti ridirib	(B) 37°			
		(C) 40° (D) 30°					
	4.	Robert Brow	n reported		nce of	f:	
		(A) Lysoscm	е	(B) Ribos			
	_	(C) Mitochon		(D) Nucle			
	5.	The number	of capso	meres pr	esent	in herpes virus	
		capsid is:	omoree	(D) 160 a			
,		(A) 252 caps (C) 250 caps		(B) 162 (D) 100 (			
	6.					e pole is called:	
		(A) Atrichcus		(B) Mond			
	_	(C) Amphitrio	chous	(D) Loph	otricho	ous	
	7.	, ,		-			
		(A) Tube fee	t	(B) Cilia			
	8.	(C) Flexing		(D) Pseu			
	ο.	structures ca		roduced if	iside	the reproductive	
		(A) Conidia	illed .	(B) Spora	anoia		
		(C) Basidia		(D) Asco	~		
	9.	The bryopiny					
		(A) Flowering	plants	(B)	Flowe	riess plants	
(A) Flowering plants (B) (C) Gametophytic plants (D)			ts (D)	Spore	ophytic plants		
	10	Carbohydi at	e digesting	enzymes	are c	alled:	
		(A) Ligase		(B) Amyla	ise		
		(C) Protease		(D) Lipase			
						ants during day	
	_	time is called					
		(A) Respiration	n	(B) Trans	piratio	n	
	225	(C) Photoresp				espiration	
		In birds the or		ce is calle (B) Syrinx			
		<ul><li>(A) Larynx</li><li>(C) Vocal core</li></ul>	d	(D) Voice	box		
	13					the mammalian	
		ear:					
		(A) Malleus, i		stapes			
		(B) Incus and					
						is and stapes plays role in	
		generation of		( Chair s	ysten	plays fole in	
		(A) Photosyn		(B) Chem	iosmo	sis	
		(C) Photosys		(D) Dark			
	15					) <sub>2</sub> ) between the	
		organism and					
		(A) Respiration		(B) Exteri			
	46	(C) Cellular re					
	In the embryonic life the red blood cells are formed in (A) Red bone marrow (B) Liver and spleen						
(C) In bone marrow of sternum and ribs							
	1 <u></u> 8	(D) Bone mai					
	17	The heart is			ble m	embranous sac	
		called :		(D) 14		_	
		(A) Epicardiu		(B) Myoc (D) Endo			
		(C) Pericardi	ulli	(D) Endo	cai UIU	111	

	Biology	Lahore Board 2016		Inter Part-I Group – I		
	Time: 2.40 hrs	Essay Type		Marks = 68		
	SECTION - I					
	Write short answers to any Eight (8) questions: 16  (i) Define parasitology.					
	(ii) Differentiate reasoning.	between	deductive	and inductive		
¥50	<ul><li>(iii) What is glycosidic bond?</li><li>(iv) Define prosthetic group and give example.</li><li>(v) What is induce fit model of an enzyme action?</li></ul>					
	(vii) Name the to zooflagellates	(vi) Define inhibitors and give an example.				
	(viii) What is sleeping sickness? (ix) What are actinopods? (x) What are kelps?					
	(xi) Differentiate parasites.	between	3	and facultative		
_	(xii) Name the ty fungi.					
ij	Write short notes on any EIGHT (8) questions: 16 (i) What is endocytosis? (ii) Write the role of glyoxysomes.					
	(iii) Write basic ch (iv) What are cora		chordates, giv	e an example.		
	(v) What is regeneration, give an example?					
	<ul> <li>(vi) How sponges reproduce asexually?</li> <li>(vii) What is glycolysis, where it takes place in the cell?</li> <li>(viii) How action spectra can be obtained?</li> <li>(ix) What is cellular respiration?</li> </ul>					
	(x) What is emph	ysema?				
`	(xii) What is respir	atory distres				
4	Write short a  (i) What are poc		any SIX (6) qu	uestions: 12		
	(ii) Write down m	isuses of an				
	<ul><li>(iii) Differentiate b</li><li>(iv) Define double</li></ul>			negaphylls.		
	(v) Name three pairs of salivary glands.					
	<ul> <li>(vi) What is detritus feeding? Give example.</li> <li>(vii) Write down symptoms in plants caused by deficiency phosphorus and potassium.</li> </ul>					
	(viii) What are blue (ix) Differentiate b		plast and sym	plast pathway.		
2	ote: Attempt any	SECTION THREE que		1.4		
	_					
	<ul><li>(a) What is cloning</li><li>(b) Describe the</li><li>(a) Give the important</li><li>(b) Describe and</li></ul>	adaptation of ortance of pro	f bryophytes to	land habitat. 4		
i	nutrition.  (a) Explain struct (b) Discuss diffe	ure and fund	tion of mitocho	ondria. 4		
!	fungi.  (a) Write a note of			4		
	(b) Prove that	water is the		oxygen during		
	photosynthes  (a) Write a note of		f bacteria.	4		
	(b) What is myoc			4		

	Biology	Lahore Board 2016		Inter Part-I Group – II	
Tin	ne: 20 Min.	Object	tive Type	Marks = 17	
	: Four possi	ble answe	ers A, B, C	and D to each	
				ich you think is	
				at question with look. Cutting or	
				t in zero mark in	
-	that question				
1.1	Lovastatin is			.I	
	<ul><li>(A) Pressure</li><li>(C) Glucose</li></ul>		(B) Cholestero (D) Uric acid	01	
2				nosis of water is	
	called:				
	(A) Plasmoly (C) Imbibition		(B) Guttation		
8	Iron containi		(D) Bleeding		
_	(A) Cytochro		(B) Ferredoxin		
-	(C) Plastocy		(D) Plastoquin		
4		example o	of fibrous protein present in :		
	<ul><li>(A) Nails</li><li>(C) Muscles</li></ul>		(B) Blood (D) Bones		
5		ects plasmo		n in the form of :	
	(A) Sporozoi	tes	(B) Merozoites		
	(C) Gametop	hytes	(D) Cysts		
6.	Number of leg	ns in arach	nids are		
3.0	(A) 2	go ili araci	(B) 4		
	(C) 6	1	(D) 8		
7.		pH of pep	sin enzyme is	•	
	(A) 2.00		(B) 4.5		
-	(C) 5.5		(D) 6.8	.acQ111	
8.			esent in the ce (B) Cortex	ells of root :	
	<ul><li>(A) Epidermis</li><li>(C) Endodern</li></ul>		(D) Pith		
9	Number of air	sacs in b			
-	(A) 6		(B) 7		
	(C) 8		(D) 9		
10		nembrane	and everythin	ng present within it	
	is called:	-1	(D) Dratanias		
	(A) Chloropla		<ul><li>(B) Protoplas</li><li>(D) Protoplas</li></ul>		
77	(C) Cytoplast Pepsin is sec		(D) Motopias		
-	(A) Mucus ce	11	(B) Zymogen	cell	
	(C) Parietal c	ell	(D) Oxyntic c	ell	
12			meres presen	t in the capsid of	
	herpes virus	are:	(D) 252		
	(A) 162		(B) 252 (D) 152		
13	(C) 262 Common nar	nes of and	ylostoma duo	denale is :	
	(A) Ship-worr	n	(B) Hook-wor	m	
4	(C) Pin-worm		(B) Hook-wor (D) Tapeworn	m	
14	A large regi	onal comi	munity primar	ily determined by	
	climate is:		(5) 5:		
			(B) Biosphere	9	
415	(C) Ecosyste Clitoria terna	m loo is used	(D) Blottle		
	(A) Cat bite	ica is used	against : (B) Dog bite		
		e	(D) Scorpion	bite	
16				of acetyl CoA with	
	oxaloacetate	to form:			
	(A) Isocitrate		(B) α-ketoglu	tarate	
25	(C) Citrate		(D) Malate ny flagella are	called	
Ш	(A) Atrichous		(B) Monotrich		
	(C) Lophotric		(D) Peritricho		
	(O) Lopilotilo		(-).	operation (f)	

Biology		Lahore Board 2016		Inter Part-I Group – II		
Time: 2.40 hrs		Essay Type		Marks = 68		
_		SECTIO	N-1			
			any Eight (8)	questions: 16 ical time chart.		
(ii) V	Vhat is phyle	tic lineage?				
, ,	What is heat of What is cofact			importance?		
				holoenzyme.		
(vi) V			red at high te			
	What are protists, how they differ from plant and animal?					
	What are trick			in human		
	Vny pnytopi iistory?	nthora intes	tan is infar	nous in human		
(x) V	What are kelp					
	What is nucle What are lich		ological role	they play?		
3. v	Vrite short r	otes on an	y EIGHT (8)	questions: 16		
	Give name discovery	of Robert	Hooke's pul	olication on cell		
(ii) V	Vhat is	endocytosis		ntiate between		
900	hagocytosis Sive two o	and pinocyt differences		rotostomes and		
	ieuterostome		between p	rotostomes and		
	What is polyn		of insacts	# COM		
	<ul><li>(v) Name four harmful effects of insects.</li><li>(vi) Give two basic characters of phylum chordata.</li></ul>					
(vii) V	What is pay o	ff phase of	lycolysis?	o call wall of the		
	nesophyll ce		sorbed by tr	e cell wall of the		
(ix) H	low in earthy	vorm respira	tion takes pla	ace?		
1/	What are alve Bive compos		hed air in ma	ın.		
_ (xii) (				aces in animal.		
			any SIX (6) q non human v	uestions: 12 iral diseases.		
	What are pili,	give their fu	nctions?			
(iii) V	Vrite two a	advance ch	aracters of	anthoceropsida		
S	sporophyte.	,				
	/vnat are gyn Differentiate	nosperms, between	give an exam obligate	pie? and facultative		
F.	parasites.		rita ita aumant	0000		
, ,	What is food Give the com		rite its sympt aliva.	oms?		
				deplasmolysis.		
(1X) \	what is single	e circuit near	t, give an exa	imple?		
Note: A	Attempt any	SECTION THREE OU				
	Write a not			d protection of		
	environment.	different ada	ntivo charac	4 ters for terrestrial		
	environment			4		
_ , ,	Write note on			4		
	<ul><li>(b) Describe digestion in planaria.</li><li>(a) Write down the structure and function of chloroplast.</li></ul>					
(b) \	(b) What do you know about mutualistic mode of nutrition					
_	n fungi? Describe sor	ne viral dise	eases, which	are common in		
_ ` · ·	Pakistan. 4					
, ,	Give the o description)	utline of h	Kreb's cycle	. (no need of 4		
_		between gra	m positive ar	nd gram negative		
-	pacteria. Describe the	blood place	a in detail	4		
(6)	Describe the	biood piasifi	a in detail.	7		