Answ	nswer Sheet No. BIOLOGY		(OBJECTIVE PART)			Roll No.			
		PART – I		22/01	(* *)			
				(INTERME	•	•		,	
ign.	Dy. Su	pdnt.	Ficti	tious Roll No. (For C	Office	Use)		Sign. Candidate	
IC	LO	GY		(INTERMEDIATE) 22/01			(★★) Marks : 17		
A	RT –	'n							
BJ	ECTIV	/E PART)				ATK-22		Time: 20 Minutes	
ote					er wr	iting, cutting, using	g of	lead pencil	
	will	result in loss of	mark	s. All questions	are to	be attempted.		(47)	
					K (V) the correct answe	er.	(17)	
1	CO ₂	is not released of Pyruvic acid	luring	Alcoholic		Lactic acid			
	Α	oxidation	В	fermentation	С	fermentation	D	Krebs cycle	
2	Pitcl	her Plant has a p	itche	r that is modified	forn				
	Α	Root	В	Stem	С	Leaf	D	Flower	
	A tu	bular structure t	hat lie	es ventral to oes	opha	gus and ext <mark>ends</mark> to	che	est cavity or thora	
3		ılled;		y					
	Α	Bronchus	В	Larynx	С	Alveolus	D	Trachea	
4	Hyd		in s		phic	em at level of sink;			
	_	Is raised due	_	Is lowered		is raised due to	D	Is lowered due to	
	Α	to inflow of sucrose	В	due to inflow of sucrose	C	outflow of water	ט	outflow of water	
5	Grea	ater is the conce	ntrati		a cell	:	<u> </u>		
<u> </u>	0.00	Greater is the		Greater is the				All conditions or	
	Α	solute	В	water	С	Lower is the water potential	D	All conditions ar possible	
		concentration		potential		water poteritian		possible	
6	Whi	ch one of these i	sam				1		
	Α	H₂O	В	DNA	С	CO ₂	D	O ₂	
7	It is a potential source of chemical energy for cellular activities;								
	Α	C-N Bond	В	C-O Bond	С	C-H Bond	D	C-P Bond	
8	Reversible inhibitors form weak linkages with;								
	Α	Substrate	В	Product	С	Enzyme	D	Coenzyme	
9	Micrographia is a famous publication of;								
	A	Robert Hooke	В	Lorenz Oken	С	Robert Brown	D	Rudolph Virchov	
10	HIV	belongs to the g	roup	of viruses which	cau	se AIDS.	.,		
***	Α	Pox Viruses	В	DNA Viruses	С	Bacteria phage	D	Retroviruses	
11	Pse	udomonas is exa	mple	of;					
	Α	Anaerobic	В	Aerobic	С	Facultative	D	Microaerophilic	
		bacterium		bacterium		bacterium	1	bacterium	
12		largest Brown A					1	101-1	
	Α	Diatoms	В	Kelps	С	Dinoflagellates	D	Water moulds	
13	Most of the visible part of lichen is;								
	Α	Fungi	В	Bacteria	C	Algae	D	Root	
14	In fl	owering plants o				- · · · · · · · · · · · · · · · · · · ·	T		
	Α	Seed	В	Fruit	С	Flower	D	Seed coat	
15	Whi	ch group of anim	F				T =	1	
	Α	Polychaeta	В	Hirudinea	С	Aschelminthes	D	Oligochaeta	
16	One	of the following	is a	coelomate;	, ——,		- _Y		
	Α	Ascaris	В	Hirudo	С	Branchioceratus	D	Scolymastra	
17		ing one Krebs cy FADH₂	cle, l	now many ATP m	olec	ules are formed dir	ecti	y and from NADH	
	4	10	В	12	С	15	D	18	

(The End)

BIOLOGY PAPER : PART-I

22/01 INTERMEDIATE)

Marks: 68

3-

(SUBJECTIVE PART)

Time : 2:40 Hours

Wri	ite short answers of any eight parts		How change in pH effects the enzyme	
i	What is the reason of difference between somatic and germ cells?	1 61	41 -14 -7	
	What is the role of temperature on		What happen to the enzyme when nor protein part is detached or remains	
iii	enzyme action?	iv	attached?	
		vi	Write down the functions of Lovastatin and cyclosporine.	
٧	Differentiate rust from smut.		Write down any four characters of	
vii	Write down the zoological names of (i) garden Snail (ii) Leech	viii	Mammals.	
	Write down two affinities of Echinoderms with Chordates.	x	Differentiate ostia and osculum.	
ix			Define compensation point with	
хi	Differentiate Stroma from Grana.	xii	special reference to morning and evening.	

XI	Differentiate on		evening. $(2 \times 8 = 16)$	
Wri	te short answers of any eight parts			
i	What is community? What are its properties?	ii	What is deductive reasoning?	
iii	Why nucleus in plants is not present in center of mature cells?	iv	Why glyoxysome is present in lipi rich seeds only?	
٧	Why red algae incorporate calcium carbonate?	vi	Why chlorella is so important?	
vii	Enlist any four characteristics of ciliates.	viii	What are Kelps?	
ix	Define ovule and when it becomes seed.	×	What is prothallus?	
хi	Define pressure flow theory.	xii	What is pulmonary circulation?	
			$12 \times 0 = 12$	

	of any giv parts		$(2 \times 6 = 12)$
Wr i	ite short answers of any six parts. What are prions?	ji	How does prokaryotic plasma membrane differ from eukaryotic plasma membrane?
iii	Differentiate between ingestion and egestion.	iv	What are piles?
٧	Name three pairs of salivary glands and their location in human oral	vi	Define breathing.
vii	why does scuba diver breath pressurized air from air cylinder?	viii	Why is Haemoglobin important to many animals?
ix	Why is fast and deep breathing necessary during exercise?		

SECTION - II

		$(8 \times 3 = 2)$	4)		
Vote	e:- At	tempt any three questions.	(04)		
		How does Biology neip us to overcome the prosecution	(04)		
5	(a)	and low quality of food?	(04)		
	(b)	Describe cohesion tension theory for ascent of sap.	(04)		
	(a)	Write a detailed note on different types of RNAs?	(04)		
6		to the second methods of reproduction in fungi? Explain.			
	(b)	How many taxonomic groups of bacteria can be made on the basis	(04)		
	(a)	How many taxonomic groups of bacteria dan de la	(04)		
7	(4)	of mode of nutrition? Give details of each group. What two groups comprise the angiosperms? How do the two	(04)		
,	(b)	What two groups comprise the angiospermo.	(04)		
	(0)	groups structurally differ from each other?	(04)		
_	(a)	Describe any four viral diseases which are common in Pakistan.	(04)		
8	(b)	Define glycolysis and discuss its two phases in detail.			
		by with the role of Lysosomes in the cell life with a sketch.	(04)		
_	(a)	Give mechanism of food absorption in small intestine in man with	(04)		
9	(b)		(04)		
	(6)	diagram.			

(The End)