GROUP : SECOND			OBJECTIVE			THAIL. 20 MINTO ILS	
						MARKS: 17	
NO		You have f	our choices for each objective type question as A , B , C and D . The choice which s correct , fill that circle in front of that question number. Use marker or pen to fill Cutting or filling two or more circles will result in zero marks in that question.				
OUF	STION		*	1.0	04	K-2-24	
1	When (	O <sub>2</sub> enters	in Calvin cycle, the	immediate acceptor	r of CO <sub>2</sub> is	:	
		(A) 3-phosphoglycerate (B) 1-3 bisphosphoglycerate					
	(C) Ribulose bisphosphate (D) Glyceraldehyde phosphate						
		Zymogen cells of gastric glands secrete :					
2		(A) Hydrochloric acid (B) Mucous (C) Maltose (D) Pepsinogen					
3	During photorespiration, glycolate diffuses into the membrane bounded organelle is :						
				(C) Ribosom	ie	(D) Lysosome	
4	(A) Golgi body (B) Peroxisome (C) Ribosome (D) Lysosome  Cerebral infraction is also known as:						
4	(A) Stro		(B) Haemorrhage		ack (	D) Hypertension	
-		The uncontrolled production of white blood cells result in :					
		5		(C) Leucaem	nia (I	D) Asthma	
		lassaemia					
6	Triassic, Jurassic and cretaceous are periods of era:  (A) Cenozoic (B) Mesozoic (C) Paleozoic (D) Proterozoic						
_	(A) Cenozoic (B) Mesozoic (C) Paleozoic (D) Proterozoic  Which of the following is not conjugated molecule?						
7	(a) at the (D) Lineary toin						
	(A) Polysaccination (b) Clycopiocom						
8		The detachable cofactor of an enzyme is called:  (A) Appenzyme (B) Co-enzyme (C) Activator (D) Prosthetic group					
İ	(A) Apoenzyme (B) Co-enzyme (C) Activator (D) Prostnetic group  Prokaryotic cell wall has:						
9					(D) Pc	eptidoglycan	
		(A) Cellulose (b) cutili					
10		one is an i		(c) silver field		(D) Starfish	
	(A) Cray fish (B) Jelly fish (C) Silver fish (D) Star fish						
11	The thi	The thick walled reproductive cell of cyanobacteria is called:					
		erocyst	(B) Akinete	(C) Hormogo	onia	(D) Trichome	
12	Late blight of potato is caused by:						
	(A) Slime mold (B) Ascomycota (C) Oomycota (D) Zygomycota						
13	The ec	ologically	mportant bio-indic	cator of air pollution			
	(A) My	corrhizae	(B) Lichen	(C) Yeast		(D) Bacteria	
14	The ea	rliest grou	p of vascular plant				
		lopsida	(B) Pteropsida			(D) Sphenopsida	
15	The po	res from v	which water leaves	the body of sponges	s are calle	d :	
	(A) Mo	outh	(B) Anus	(C) Ostuim	(D) (	Osculum	
16	The bo	ody cavity	of nematoda is :			i.	
	(A) Co		(B) Pseudocoelom	(C) Blastocoel	(D) H	laemocoel	
17	1 , ,			resent in chloroplas	t are:		
		lorophyll '	a' (B) Carotenoio	ds (C) Carotene	es (D	) Xanthophylls	
	123 (C	)bj) – 1 <sup>st</sup>	Annual 2024	SEQUENCE - 4	( P.	APER CODE – 6468)	

## SUBJECTIVE PART MARKS: 68 ROUP: SECOND SECTION - I QUESTION NO. 2 Write short answers to any Eight (8) of the following Define metabolism, name its two processes. How would you differentiate apoenzyme from holoenzyme? ii What is Lock and Key model? Who proposed it? iii Enlist two conditions that destroy enzyme catalysis by disrupting bonds between atoms in an enzyme. iν How do fungi resemble animals? What are saprobic fungi? Write their effect on environment. νi How does sac like digestive system contrast with tube like digestive system? vii Define metamorphosis. Write its types. viii Write economic importance of Sharks. ix What is syrinx? Give its function. X How ATP is formed during light dependent reaction? χi What is net production of ATP in glycolysis? QUESTION NO. 3 Write short answers to any Eight (8) of the following 16 Differentiate chemotherapy and radiotherapy. Define biodiversity. Give percentage of different groups of organisms on the earth. ii What are plastids? Give names of different types of plastids. iii Give any two important functions of Golgi Apparatus. iv Write down evolutionary significance of Euglenoids. Give different types of habitats of algae. νi What are choanoflagellates ? Give their similarities with sponges. vii Give role of micronucleus and macronucleus of ciliates. viii Where carbonic anhydrase is present? Give its role. ix How does CO<sub>2</sub> affect oxygen carrying capacity of haemoglobin? X Differentiate symplast and apoplast pathways taken by water to reach xylem tissues. xi How can we avoid heart attack? xii QUESTION NO. 4 Write short answers to any Six (6) of the following 12 What is Poliomyelitis? Give its causes. Write the types of spiral shaped bacteria. ïi Why Bryophytes are called amphibians of plants iii What are sori and false indusium? iv Define Double Fertilization ? Give its importance. ν What is protonema? In which group of plants it is found? vi Define symbiotic nutrition. Give one example. vii Compare antiperistalsis and peristalsis. viii Write functions of Lacteals. ix SECTION-II $8 \times 3 = 24$ Note: Attempt any Three questions from this section 2+2 Compare deductive reasoning with inductive reasoning. Q.5.(A) How man is responsible for respiratory disorders? Comment. 4 (B)

Discuss the Watson and Crick Model of DNA and draw a labeled diagram. 3+1 Q.6.(A) 1+1+1+1 Write different methods of Asexual reproduction in Fungi. (B) 1+1+2 What are plastids? Describe types of plastids and functions. Q.7.(A) 1+3 Define a parasite. Write a note on parasitic nutrition. (B) 1+2+1 Write an account on AIDS Q.8.(A) 4 What is Transpiration? Describe its different types. (B) 1x4 What are physical methods to control bacteria? Q.9.(A) Explain that chloroplasts are the sites of photosynthesis in plants? (B)

