Paper Code		2023 (1*-A) INTERMEDIATE PART-I (11 th Class)			Roll No:	
	ber: 2461				L	· · · · · · · · · · · · · · · · · · ·
		ER-I GROU	19111	1-11-1-		
TIM	IE ALLOWED	: 20 Minutes	OBJEC	CTIVE N	MAXIMUM MA	RKS: 17
Q.No		choices for each object at bubble in front of the				
		ng or filling two or m				
S.#		STIONS	A	B	C	D
1	A large regional of primarily determined		Biomass	Biosphere	Biome	None of these
2	Total number of a insulin is:	mino acids in	50	51	40	41
3	Which does struct between enzyme a	ture act as a bridge and its substrate?	Co-factor	Bindingsite	Apoenzyme	Inhibitor
4	The protein prese	nt in microtubule is:	Actin (Myosin	Tropomyosin	Tubulin
5	Pig could be the sof hepatitis:	ource of infection	A	В	C.	E
6	Important vector engineering techn	in a modern genetic lique is:	Plasmid	Nücleoid	Ribosome "	Mesosome
7	Based on moleculare thought to be	lar data, euglenoids closely related to	Brown algae	Diatoms	Zooflagellates	Green algae
8	Cell wall of Fung	i is made up of:	Pecun	Murein	Cellulose	Chitin
9	A flower is a moo		Root	Shoot	Leaf	Stem
10	Closed circulatory appeared in:	y system, irst time	Nematoda	Platyhelminth		Arthropoda
11	Nematocysts are of phylum:	the characteristics	Annelida	Coelentrata	n Nematoda	Platyhelminthes
12	Which of the follo to phytol?	owing is related	$C_{20}H_{39}$	$C_{39}H_{20}$	$C_{22}H_{40}$	$C_{40}H_{22}$
13	During Calvin Cy fixed and reduced synthesis of:		Fat	Protein	Sugar	Enzyme
14	Amoeba moves a means of:	nd obtains food by	Cilia	Pseudopodi	a Flagella	Tentacles
15	Breakdown of alv called:	veoli of lungs is	Asthma	Emphysem	a Tuberculosis	Lung caner
16	Which is not an egranulocyte?	example of	Basophils	Eosinophile		Neutrophils
17	Uncontrolled problem blood cells result		Asthma	Thalassemi	a Odema	Leucaemia

	TERMEDIATE PART-I (11 th Class) 2023 (1 st -A) Roll No:	
OLOG	Y PAPER-I GROUP-I SUBJECTIVE MAXIMUM MARKS:	68
ME A	LLUWED: 2.40 Hours	per.
OIE:	Write same question number and its parts number of SECTION-I MTV-11-1-23	×2 = 16
Atten		
ii) D	ifferentiate between Competitive and Non-competitive management	
	That are Holoenzymes? efine Enzyme and Substrate.	
iv) D	efine Enzyme and Substrate. That is a Hypha? What is the advantage of having incomplete septa?	
(v) W vi) D	ifferentiate between Ascospores and Ascus.	
.::\ 11	That is Spongocoel?	
wiii) G	ive two important features of Mammais.	
ix) H	low insects are beneficial to man?	
(x) V	What is Syrinx? Differentiate between Grana and Stroma.	
(xi) D	Vhat do you know about Photosystems?	$1 \times 2 = 16$
	t and in the marte	1 1 2 - 10
(ii) I	low did Biology helped mankind in better food production.	
(iv) I	Differentiate between Microtubules and Microfilaments.	
	What do you know about Amoebae?	
(vi) \\	What is Thallus? Write the ecological importance of Dinoflagellates.	
(viii) Y	What is Chlorella? Give its importance. Write the names of two plants belonging to family Poaceae.	
(v) 1	Define Seed.	
(vi)	What is Symplast pathway?	
(xii)	What are Isobilateral leaves?	$6 \times 2 = 12$
1 444	· · · · · · · · · · · · · · · · · · ·	
4. All	empt any six parts.	
(i)	Describe term Provirus. Give one example.	
(i)	Describe term Provirus. Give one example. Give structure of virion of HIV.	
(i) (ii)	Describe term Provirus. Give one example. Give structure of virion of HIV.	
(i) (ii) (iii)	Describe term Provirus. Give one example. Give structure of virion of HIV. Write composition of Saliva.	
(i) (ii) (iii) (iv)	Describe term Provirus. Give one example. Give structure of virion of HIV. Write composition of Saliva. Discuss Ulcer.	
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(i) (ii) (iii) (iv) (v)	Describe term Provirus. Give one example. Give structure of virion of HIV. Write composition of Saliva. Discuss Ulcer. Describe role of Large intestine.	
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(i) (iii) (iv) (v) (vi) (viii) (ix) NOTH 5.(a)	Describe term Provirus. Give one example. Give structure of virion of HIV. Write composition of Saliva. Discuss Ulcer. Describe role of Large intestine. What is Lung cancer? How does partial pressure of O_2 effect formation and disassociation of oxyhaemoglobin? Argue that animals having diving reflex have special body features. Why it is necessary to have respiratory surface? SECTION-II E: Attempt any three questions. How Drug treatment/genetharapy is used for disease control?	
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_	er Code	The last that has be seen	2023 (1 st -A)	1th CI	D 11 N	
Number: 2464		INTERMEDIATE PART-I (11 th Class)			Roll No:	
			OUP-II MTA	1-11-2-2	3	
	IE ALLOWED		OBJE		IAXIMUM MA	
Q.No	0.1 You have four	choices for each ol	ojective type question	n as A, B, C and I). The choice which	you think is
			f that question numb more bubbles will re			pen to fill the
S.#	QUEST		A	В	C	D
1	Reindeer moss is	a/an:	Lichens	Algae	Fungi	Bryophyte
2	When egg and ma	la gamata in	Zugognana	A 22222222	Ossubarra	0
2	angiosperm fuse,		Zygospore	Ascospore	Oosphere	Oospore
3	The beginning of action in man is:	swallowing	Voluntary	Involuntary	Automatic	Reflex action
4	Air entering nasal	cavity is:	Filtered	Moistened	Warmed	All of these
5	Phytol is attached	to:	2 pyrrole rings	3 pyrrole rings	Only one of	4 pyrrole
			4.6		pyrrole ring	rings
6	Which of the follotake part in respira		Coenzyme	Gytochrome	Molecular oxygen	Plastocyanin
7	Circular muscles a longitudinal musc in:	ALDERSONS - CONSERVED SONS OF THE POSSESS OF THE PO	Platyhelminthes	Flatworm	Roundworm	Cnidarian
8	Average life span	of RBCs is:	4 months	One year	6 years	Whole life
9	A foreign substand which stimulates antibody is:	ce often a protein of an	B-Lymphocytes	T. Lymphocytes	Antigen	Serum
10	Process of sheddid exoskeleton in articalled:		Excretion	Ecdysis	Lysis	Splitting
11	Cloning could not make:	be used to	Multiple copies of desired organism	Used to produce genetically identical cattle	Commercial production of valuable animals	In research
12	All of following highest except:	ave chains of	Chitin	Glycogen	Cellulose	Starch
13	Coenzyme is relate	ed to:	Proteins	Fats	Vitamins	Lipids
14	Single membrane organelle is:	bound	Chloroplast	Mitochondria	Nucleus	Lysosomes
15	Which part of viru multiple copies ins		Virus genome	Capsid	Envelop	All of these
16	Structure involved of alkaline soils ar		Akinetes	Heterocysts	Cysts	Hormogonia
17	One of the following protozoans:	ng represents	Dinoflagellates	Diatoms	Apicomplexans	None of these

26(Obj)(★★)-2023(1st-A)-18000 (MULTAN)

DIA:	INTERMEDIATE PART-I (11 th Class) 2023 (1 st -A)	Roll No:
	LOGY PAPER-I GROUP-II MTN-11-2-23 E ALLOWED: 2.40 Hours SUBJECTIVE	MAXIMUM MARKS: 68
	E: Write same question number and its parts number on answer book,	as given in the question paper.
	SECTION-I	B. C. L. C.
2. A	ttempt any eight parts.	$8 \times 2 = 16$
(i)	Draw the complete structure of ATP.	
(ii)	Why some enzymes are manufactured in inactive form?	
(iii)	Why some enzymes need a cofactor?	
(iv)	Define inhibitors with examples.	
(v)	Write down names of four animal diseases caused by Fungi.	
(vi)	Define parasexuality and give its importance.	
(vii)	Differentiate between Polyps and Medusae.	
(viii)	Write down four harmful insects name and their relevant diseases.	
(ix)	Why Reptiles are different from Amphibians?	
(x)	Enlist Reptile like characters of Archaeopteryx.	
(xi)	What is compensation point? When it occurs?	
(xii)	Define carotenoids and give their importance.	
(i)	ttempt any eight parts.	$8 \times 2 = 16$
	Differentiate between Deductive and Inductive hypothesis.	
(ii) (iii)	What is Hydroponic Culture Technique? Give use of this technique.	
(iv)	How Glyoxysomes differ from Peroxisomes.	
(v)	What are storage diseases? Name two storage diseases in man. Give importance of Chlorella.	
(v) (vi)	For what study plasmodial slime mold used as model organism?	
vii)	Write down ecological importance of Dinoflagellates.	
viii)	Green algae are considered ancestral organism of green land plants when the down ecological importance of Dinoragenates.	hvv?
(ix)	Why are Bryophytes called Amphibians plants?	ny !
(x)	Differentiate between Monocot and Dicot plants.	
(xi)	What are essential and non-essential parts of flower?	
xii)	What is Cardiac Cycle?	
	tempt any six parts.	$6 \times 2 = 12$
(i)	Write the botanical names for amaltas and tomato.	
(ii)	Differentiate between lag phase and log phase.	
iii)	Explain Scraping type of feeding.	
iv)	What is the role of nematocysts in the life of coelenterates?	
(v)	How peristalsis is different from antiperistalsis?	
vi)	How does breathing differ from respiration?	
vii)	Explain briefly Asthma.	
riii)	How much CO_2 is present in venous and arterial blood.	
ix)	Lung cancer is more frequent in smokers. Comments your own.	
	SECTION-II	
OTE	: Attempt any three questions.	$3 \times 8 = 24$
(a)	Define Cloning. What is its mechanism and products?	1 + 3 = 4
	Why transpiration is considered as a necessary evil?	4
	Describe functions of proteins.	
		4
	Discuss different methods of asexual reproduction in fungi.	4
(a)	Describe the classification of bacteria on the basis of flagella.	4
b)	Define alternation of generation. Also describe its significance.	4
(a)	What is binomial nomenclature, give its importance.	4
	Discuss role of carbon dioxide as a photosynthetic reactant.	4
	Discuss structure and function of ribosomes.	
		4
(b)	Give role of oral cavity in digestion.	. 4 023(1 st -A)-18000 (MULTAN)