Paper Code	e	2021 (A)	Roll No	
Number:	2463	INTERMEDIATE PART-I (11 th	CLASS)	
L		MTW-41-21		

TIME ALLOWED: 20 Minutes

MAXIMUM MARKS: 17

BIOLOGY PAPER-I

GROUP-I OBJECTIVE

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that

	question. No credi this sheet of OBJE		ase BUBBLES are no	t filled. Do not solve que			
Q.No.	.1						
(1)	The sexual process	exhibited by most cilia	tes is called:				
	(A) Oogamy	(B) Binary fission	(C) Budding	(D) Conjugation			
(2)	Which of following	Which of following is important as bioindicator of air pollution?					
	(A) Yeasts	(B) Lichen	(C) Rust fungi	(D) Mycorrhizae			
(3)	Double fertilization is the characteristic of:						
	(A) Angiosperms	(B) Gymnosperms	(C) Bryophytes	(D) Pteridophytes			
(4)	Which one of following is freshwater sponge?						
	(A) Sycon	(B) Leucoselenia	(C) Spongilla	(D) Euplectella			
(5)	Duckbill platypus belongs to subclass:						
	(A) Eutheria	(B) Atheria	(C) Metatheria	(D) Prototheria			
(6)	Photosynthetic pigments are organized into dusters, called:						
	(A) Cytochrome	(B) Photosystem	(C) Phytochrome	(D) Chromatophores			
(7)	Dark reaction takes place in:						
	(A) Stroma	(B) Granum	(C) Thylakoid	(D) Cytoplasm			
(8)	The human stomach is situated below the:						
×	(A) Liver	(B) Kidneys	(C) Spleen	(D) Diaphragm			
(9)	How many polypep	tide chains are present	in Myoglobin?				
	(A) 1	(B) 2	(C) 3	(D) 4			
(10)	The loss of water through hydathodes in leaves is called:						
	(A) Bleeding	(B) Transpiration	(C) Guttation	(D) Imbibition			
(11)	The arteries divide into smaller vessels called:						
	(A) Veins	(B) Venules	(C) Capillaries	(D) Arterioles			
(12)	Tentative explanation of observation is called:						
	(A) Deduction	(B) Theory	(C) Reasoning	(D) Hypothesis			
(13)	Human tissues contain 85% water in cells of:						
	(A) Liver	(B) Blood	(C) Brain	(D) Bone			
(14)	Enzymes involved in cellular respiration are found in:						
	(A) Mitochondria	(B) Ribosomes	(C) Cytoplasm	(D) Nucleus			
(15)	Cell wall is secreted	i by:					
	(A) Ribosomes	(B) Lysosomes	(C) Nucleoplasm	(D) Protoplasm			
(16)	Family include rela	Family include related:					
	(A) Species	(B) Genera	(C) Order	(D) Class			
(17)	Pili are made up of	special proteins called	:				
	(A) Flagellin	(B) Tubulin	(C) Pilin	(D) Actin			

25(Obj)(\$\frac{1}{2}\$\$\frac{1}{2}\$)-2021(A)-16000 (MULTAN)

2021 (A) Roll No: ______ INTERMEDIATE PART-I (11th CLASS)

BIOLOGY PAPER-I GROUP-I MTN-61-21	TIME ALLOWED: 2.40 Hours
SUBJECTIVE	MAXIMUM MARKS: 68
NOTE: Write same question number and its part number on answe	
as given in the question paper.	
SECTION-I	
2. Attempt any eight parts.	$8\times2=16$
(i) Write any two properties of lipid.	
(ii) Define competitive inhibitor. Give example.	
(iii) Differentiate between apoenzyme and co-enzyme. (iv) What are irreversible inhibitors?	
(iv) What are irreversible inhibitors?(v) Describe carnivorous fungi. Give one example.	
(vi) Define Toadstools. Give any two examples.	
(vii) Define placenta. What is its function?	
(viii) Write economic importance of sharks.	
(ix) Write some beneficial properties of insects.	
(x) Write two fundamental characters of Chordates.	
(xi) What is alcoholic-fermentation?(xii) Define photophosphorylation. Give its types.	
(xii) Define photophosphorylation. Give its types. 3. Attempt any eight parts.	$8\times 2=16$
(i) Define Parasitology and molecular biology.	
(ii) What is integrated disease management?	_
(iii) What is fluid mosaic model about the structure of cell members	orane?
(iv) What are Leucoplasts? Give their function.	
(v) Write two characteristics of amoebas. (vi) Write two characters of slime molds.	
1100 0 0 10	
(vii) How fungus like protists differ from fungi? (viii) Define Thallus.	
(ix) Define alternation of generation.	
(x) Write two differences between monocot and dicot.	
(xi) Write briefly symplast pathway for uptake of water.	
(xii) Write briefly about blue babies.	$6 \times 2 = 12$
4. Attempt any six parts.	• · · · · · · · · · · · · · · · · · · ·
(i) Define species. (ii) What are Bacilli Bacteria? Give one example.	
(ii) What are Bacilli Bacteria? Give one example. (iii) Define digestion.	
(iv) What is peristalsis?	
(v) What is pyrosis?	
(vi) Why air is better respiratory medium than water? Give two	reasons.
(vii) What are vocal cords? Give their function.	
(viii) What is Pleura?	
(ix) What is asthma?	
SECTION-II	$3 \times 8 = 24$
NOTE: Attempt any three questions.	
5.(a) How biology improved food quality and quantity for mankind?	4
(b) Define immunity and give its types in detail.	4
6.(a) Explain various aspects of importance of water.	4
(b) Describe asexual reproduction in fungi.	4
	4
7.(a) Discuss nutrition in bacteria.(b) Write a note on class gymnospermae.	4
	4
8.(a) Describe lytic cycle of bacteriophage.	. 4
a contract to the state and a monta	-T

Sketch and explain calvin cycle in plants.

Write a comprehensive note on mitochondria.

Describe structure and function of large intestine of man?

(b)

9.(a)

(b)

Pape	er Code	and a second control of the second control o						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Nun	nber: 2	466	INTERM	2021 (<i>.</i> EDIATE PA	A) RT-I (11 th CL	Roll l ASS)	No	
	OLOGY	PAPER	0,100	OBJECT	rs. 1707	MAXI	ALLOWED: 20 Mi MUM MARKS: 17	
Not	or pen t question this sho	o fill the bu	i mat pubble	objective type of in front of thating or filling tw	question as A, B, t question numb	, C and er, on b	D. The choice which yubble sheet. Use mar result in zero mark in Do not solve question	you ker that
(1)					1 1 14 to longuage	06.		
	(A) Prost	hetic group	ri oi enzyme		nded, it is known (C) Activator	as.	(D) Binding site	
(2)				Co-enzyme osomes is contro	NE 151			
		our of two s					(D) Mg ⁺⁺	
(2)	(A) K ⁺		, ,	Ca ⁺⁺	(C) <i>Na</i> ⁺		(D) Mg	
(3)			nutrition is fo				(D) Animals	
(4)	(A) Alga		300.5	Fungi	(C) Plants		(D) Animais	
(4)					it is termed as:		(D) Peritrichous	
,,,,,	(A) Atric			Lophotrichous	(C) Amphitric	nous	(D) Pentificious	
(5)				ong to group:			(D) Eurlanaida	
	(A) Brow		(B) I		(C) Green		(D) Euglenoids	
(6)				tween fungi and			(D) A 1	
(5)	(A) Proto			Photoautotrophs	(C) Gymnospe	erms	(D) Angiosperms	
(7)				and roots, are:			(D) 1 '	
	(A) Lycor			Sphenopsida	(C) Pteropsida	L	(D) Angiosperms	
(8)			present in ann					
	(A) Flame		V (1)	Kidneys	(C) Nephridia		(D) Malpighian tubes	
(9)					sponges is called			
	(A) Stoma			Spiracles	(C) Osculum		(D) Ostia	
(10)		ylls absorb t	the light:					
		v to orange		Red to orange	(C) Green to y	ellow	(D) Green to orange	
(11)	Photosyste	m I is also	called as:					
	(A) P_{680}		(B) A	P ₇₀₀	(C) P_{780}		(D) P ₆₆₀	
(12)	Chyme ent	ers into duc	odenum throu	igh sphincter:				
	(A) Cardia	c	(B) A	anal	(C) Pyloric		(D) Iliocolic	
13)	Above 70%	of Co ₂ is	transported i	n form of:				
	(A) <i>HCO</i> ₃		(B) ((C) Carboxyha	aemoglo	bin (D) Oxyhaemog	lobin
14)	Which ligh	t enhance tl	ne uptake of	K ⁺ in guard ce	lls?			
	(A) Red		(B) B	lue	(C) Green		(D) Violet	
15)	Immunoglo	bulins pres	ent in plasma	play a role in:				
				Water balance	(C) Transport	of O	(D) Cale 1 - 1	
6)				week building	(c) rimishout	or U ₂	(D) Salt balance	
16)			table theory:		(0) 0 :			
<i>(</i> 7)	(A) Hypoth			eduction	(C) Scientific	law	(D) Experiment	
7)		of DNA in	a mammalia	n cell is:				
	(A) 1%		(B) 0	.25 %	(C) 2 %		(D) 4%	

26(Obj)(ப்பட்ட)-2021(A)-11000 (MULTAN)

Roll No: 2021 (A)

BIOLOGY PAPER-I INTERMEDIATE PART-I (11th CLASS)

GROUP-II NTN-42-21 TIME ALLOWED: 2.40 Hours MAXIMUM MARKS: 68 NOTE: Write same question number and its part number on answer book,

		as given in a question number and its part number on answer book,	
		as given in the question paper.	
~		SECTION-I	$8 \times 2 = 16$
2.		Attempt any eight parts.	0 / 2/ 10
	(i)	1/11/Arantente L. L	
	(ii)	Differentiate between purines and pyrimidines. What are cofactors? Give their function in an enzyme catalysed reaction.	
	(iii)	Differentiate between an activator and a prosthetic group.	
	(iv)	What is a convertible but the second a prostrict of the second se	
	(v)	What is a competitive inhibitor of an enzyme? What is nuclear mitosis?	
	(vi)		
	(vii)	What is a mycorrhizae?	
	(viii)	What are pseudocoelomates? Differentiate between ostium and osculum of a sponge.	
	(ix)	What is radula?	
	(x)	What is syrinx? Write balanced equation of alcoholic fermentation.	
	(xi)	Write balanced equation of alcoholic formation	$8 \times 2 = 16$
2	(xii)	What are cytochromes? Attempt any eight parts.	
3.	<i>(</i> :)	Describe hydroponic culture technique.	
	(i)	What is fluid mosaic model of plasma membrane?	
	(ii)	What do you know about autophagy?	
	(iii)	Define microbiology.	
	(iv)	1 fl-mallator	
	(v)	Write a short note on choanonagenates. Differentiate between micronucleus and macronucleus in ciliates.	
	(vi)	TITL -+ was the course of ITISH DOIAIO IAIIIIIO;	
	(vii)	What was the cause of man polycephalum is a model organism?	
	(viii)	vin - t in double fertilization?	
	(ix)	Differentiate between gymnosperms and angiosperms.	
	(x)		
	(xi)	Describe bleeding in plants. Differentiate between open and closed circulatory systems.	$6 \times 2 = 12$
,	(xii)	A 44 ment any giv narts.	
4.	(i)	Draw a labeled diagram of a bacteriophiage.	
	(ii)	TT amoule is different IT()III SIIIIIC:	
	(iii)	Trans I ichene are different Holli Mycolimza.	
	(iv)	Give composition of Saliva and its effects.	
	(v)	ver in hunger nange and HS cause:	
	(vi)	Montion two properties of respiratory surrous	
	(vii)	Ciam internal etnicture of hasal cavity.	
	(viii)		
	(ix)	Mantion changes in chest cavity that out of	
	(IV)	SECTION-II	$3 \times 8 = 24$
MA	ri7.	Attempt any three questions.	4
NO.		cuss biological method.	
5.(a)	Dis	cuss biological included distinct stages	4
(b)	Def	ine cardiac cycle. Write its three distinct stages.	
(~)			4
6.(a)	Wri	te different structures of proteins (primary and secondary).	4
		e economic losses due to fungi.	
(b)			4
	_	cribe physical and chemical methods to control bacteria.	
7.(a)	Des		4
		are avalution of leaf.	

NOT 5.(a) 6.(a)7.(a) Write a note on evolution of leaf. (b) 8.(a) Define hepatitis. Explain its various types. (b) Sketch respiratory electron transport chain. 9.(a) Discuss in detail structure and functions of Mitochondria. (b) Describe functions of large intestine.