LITTLE FLOWER SCHOOL, RAPTINAGAR, GORAKHPUR FIRST SEMESTER EXAMINATION 2021-2022

Class: XI Biology Time: 3 Hours Max Marks: 70

		This paper	comprises TWO PAR	TS – Part I and Part II.	Answer all question.	S.	
		Par	t I consists of one ques	stion of 20 marks having	g five subparts.		
			Part II consis	ts of Sections A, B and	С.		
			Section A consists of s	even questions of two n	ıarks each.		
Section B consists of seven questions of three marks each, and Section C consists of three question							
				marks each.			
Inter	nal	choices have be	een provided in two qu	estions in Section A, tw	vo questions in Secti	on B and in all	
			three qu	estions of Section C.			
_		The intende	ed marks for questions	or parts of questions ar	e given in brackets [].	
				T - I (20 Marks)			
			Ansv	ver all questions			
Ouest	ion	1					
a)			ving questions briefly	and to the point:		[8 ×1]	
,		Name the fungi commonly known as Sac fungi.					
	2)						
	3)						
	4)) What is nature of cell wall in diatoms?					
	5)	What is the fur	nction of Pneumatopho	ores?			
	6)	What are capso					
	7)		alar plants with seeds a				
	8)	Where was the	first zoological muser	Im founded?			
b)	Ea	ch of the follov	ving sub-parts, (i) to (iv) has four choices. C	hoose the best optic	on in each case:	
,			F F F F F F F F F F			[4x1]	
	1)	Basic unit of c	lassification is:				
		i) Genus	ii) Species	iii) Order	iv) Class		
	2)	The thelloid he	dy of a alima mould is	Imowin act			
Inter Quest a)	2)	i) Protonema	ody of a slime mould is ii) Plasmodium	iii) Fruiting body	iv) Mycelium		
		I) I Iotonema	ii) i iasinoatum	III) Fruiting body	Iv) wrycenum		
	3) The heart shaped form of prothallus represents:						
	i) Dioecious			ii) Monoecious sporophyte			
			s Gametophyte	iv) None of the abo	1.		
	4)						
		i) it lacks chlor	1.	ii) it stores food	• . •		
		iii) it has xyler	n and vessels	iv) it has nodes and	internodes		
റ	Ci	ve o <i>ne</i> significa	ant contribution of ea	ch of the following scie	entists:	[4×1]	
C)		Carl Woes	2) Ernst Mayr	3) Ivanowsky	4) T.O.Dienner	[4~1]	
	- /		_,	-,	.,		

d) Define the following:	fter della	[2×1]
1) Napi form roots2) Lea	af tendrils	
 e) Give a reason for each of the follow 1) Why class Deuteromycetes is co 2) Why viruses are considered as li 	-	[2×1]
	<u>PART - II</u>	
	CCTION - A (14 Marks) (Answer all questions)	
Question 2		[2]
a) What is cytotaxonomy?		
OR		
b) What is a bracteate flower?		
Question 3		[2]
Mention two general characteristics of chlor	rophycae with two examples.	
Question 4		[2]
Explain leaf tendril modification for suppor	t along with diagram.	[2]
1 11		
Question 5		[2]
Give a brief idea of role of bacteria in sewag	ge treatment.	
Question 6		[2]
Classify bacteria on the basis of mode of res	spiration.	
o		[2]
Question 7 What are slime moulds?		[2]
what are shine moulds.		
Question 8		[2]
a) What is alternation of generations?		
OR b) What are viroids?		
b) what are virolds?		
<u>SE</u>	CCTION - B (21 Marks)	
((Answer all questions)	
Question 9		[3]
a) Explain haplontic life cycle pattern alon	ng with diagram and examples.	[5]

- OR
- b) Give a brief idea of Herbaria.

Question 10

Write a short note on mycorrhiza.

[3]

Question 11 Mention any three economic importance of algae.	[3]			
Question 12 State the major types of pigments found in algae along with examples.	[3]			
Question 13 Define oogamy and explain it with the help of diagram. Question 14 Explain the types of androecium cohesion with example.				
<u>SECTION - C (15 Marks)</u> (Answer all questions)				
Question 16 a) State the general characteristics of angiosperms. OR	[5]			
 b) Draw a graphical representation of life cycle of Pteridophyta. Question 17 	[5]			
 a) Discuss the underground modifications of stem. OR b) What is inflorescence? State its different types with definition and examples. 				
Question 18 a) Draw graphical representation of three domains of life. OR	[5]			

b) Explain and define phyllotaxy and its types.