			[2½ Hours]	[Total Marks: 75]
N.B		Attempt all que Each question of	estions. carries 15 marks.	
Q. 1) Do as direct	ed (att	empt any fifteen)		150
1. Define Bio	genes	is		
2. Give one s	ignific	cance of biodivers	sity	
3. Give one e	xampl	e of pteridophyta		
4. Name any	two fr	uiting bodies for	med in fungi during reproducti	on
5. Give one e	xampl	e of phylum Ech	inodermata	
6. Explain th	e term	Burst size		
7. Define: Co	oliphag	ges Charles		
8. What do y	ou mea	an by Latent perio	od?	\$\frac{1}{2}\frac{1}{2
9. Give an ex	ample	of dsDNA virus.		2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2
10. State the	functio	on of the delayed	l early genes in phage replication	on.
11. Give the	use of	carborundum in	virology?	go.
Fill in the blanks				
12. Liverfluk	e belo	ngs to the Phylun		
13.	5 9 7 S	are the prokaryote	es which appear to have diverg	ged from true bacteria
very earl	y in ev	olution.		
14. Prokaryo	tic cell	s have a specializ	zed materials with them called	as
30,00,00,00,00,00,00,00,00,00,00,00,00,0	12000	h lack mitosis div	vision and use binary fission m	ethod for cell division
16. The	3200	_ complex may p	play a role in the heat resistance	e of endospore.
17. Light rea	ction c	of photosynthesis	is takes place in the	of the chloroplast.
18. Volutin g	ranule	s are reserve sour	rce for	
19. Ribosom	es are	NOT associated v	with	
20.	p	rovide buoyancy	to the cell.	

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Q. 2)				
A) Write a note on Millers Experiment	8 6 6 6			
B) Describe salient features of Angiosperms				
OR				
C) Describe general characteristics of Eubacteria	8			
D) Discuss the salient features of phylum protozoa	7			
Q.3)				
A) Describe the structure of flagellum	8			
B) Write the structure and functions of rER				
OR OR				
C) Differentiate between Cilia and Flagella	8			
D) Describe the structure of Golgi apparatus	7			
	837			
Q.4)	5			
A) Elaborate on classification & types of Bacteria based on morphology.				
B) Explain the mode of reproduction in bacteria.	7			
OR				
C] Discuss the morphology of Plant and Animal Viruses.	8			
D) Discuss adsorption and penetration events during phage infection.	7			
Q.5) Write short notes (any three)	1:			
A) Economic importance of fungi				
B) Ecological diversity				
C) Microfilament				
D) Endocytosis				

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