C 41809		(Pages:	2)	Name	
				Reg. No	
SECOND	SEMESTER B.Sc.	DEGREE E	XAMINATIO	N, APRIL/MAY 2013	
		(CCSS)		
		Microbiol	,		
	MB2 B02		AL TAXONOMY	Y	
Time : Three Hou		WII OIVO DII		Maximum: 30 Weightage	
Time : Timee Trou		Part A		Transman 100 Westernage	
I Objective T	Type Questions. Answer				
•		_			
•	1 Who proposed three domain classification? (a) Carl Woese. (b) Linnaeus.				
	Haeckel.	(d) Whittaker.			
` '	troph can grown in:	(4)	vv incomer.		
	Minimal medium.	(b)	Enriched mediu	ım	
	Special medium.		Selective mediu		
	ring bacteria oxidize ni				
_	Nitrobacter.	(b)	Nitrosolobus.		
. ,	Nitro somonas.	(d)	Nitro sococeus.		
	susative agent of Q feve	. ,			
	Rickettsia typhi.	(b)	Rickettsia ricke	ttsii.	
(c)	Coxiella burnetii.	(d)	My coplasma.		
5 What	is biovar?				
6 What	is a Strain?				
7 What	is hyperparasitism?				
8 What	is cyanophages?				
9 Algal a	an fungal association is	known as			
10 Tree lil	ke representation of res	ult of taxonon	nic analysis is ca	lled ———	
11 The co	lonization of fungi on p	lant roots are	called		
12 One of	f the unicellular and ur	inucleated al	gae is		

Turn over

(12 x = 3 weightage)



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Part B

- II. Short Answer Type Questions. Answer all nine questions:
 - 13 What is serotyping?
 - 14 What is stromatolites?
 - 15 What is dendrogram?
 - 16 What are capsomeres?
 - 17 What is prophage?
 - 18 What is prions?
 - 19 What is heteroduplex?
 - 20 What is facultative anaerobe?
 - 21 What is Nutalism?

x 1 = 9 weightage)

Part C

- III. Short Essay or Paragraph Questions. Answer any five questions:
 - 22 Explain methods to calculate IG + C content.
 - 23 Discuss about economic importance of algae.
 - 24 Explain sexual reproduction in fungi.
 - 25 Expalin five kingdom classification.
 - 26 Describe asexual reproduction of protozoa.
 - 27 Describe lytic and lysogenic cycle of bacteriphages.
 - 28 Give a brief account on RNA viruses.

 $(5 \times 2 = 10 \text{ weightage})$

Part D

- IV. Essay Questions. Answer any two questions:
 - 29 Discuss about major characteristics used in bacterial taxonomy.
 - 30 Describe Alexopoulose classification of fungi.
 - 31 Discuss about different levels of classification employed in bacterial taxonomy.

 $(2 \times 4 = 8 \text{ weightage})$