Seat No.:	Enrolment No.

	(BE – SEMESTER V • EXAMINATION – WINTER - 2012	
Subject	t cod	e: 150405 Date: 23-01-2013	
Subject	t Nan	ne: The Science of Life	
Time: (02:30	pm to 05:00 pm Total Marks: 70	
Instruc			
		empt all questions.	
		ke suitable assumptions wherever necessary.	
3	. Fig	ures to the right indicate full marks.	
0.1	(-)	Empleia and desirate of the meletical in another meter	10
Q.1	(a) (b)	Explain mechanism of translation in prokaryotes. Give classification of lipids.	10 04
	(D)	Give classification of lipids.	V 4
Q.2	(a)	Explain mechanism of eukaryotic replication in detail with a neat	07
C .–	()	diagram.	
	(b)	Compare plant and animal cells	07
		OR	
	(b)	Compare prokaryotic and eukaryotic cells.	07
Q.3	(a)	Write a short note on Replication in Prokaryotes.	10
	(b)	Explain various properties if genetic code.	04
		OR	
Q.3	(a)	Write a short note on transcription in prokaryotes.	10
	(b)	Discuss Watson and Crick model of DNA.	04
Q.4	(a)	Give classification of amino acids.	07
	(b)	Write a short note on disaccharides and polysaccharides.	07
		OR	
Q.4	(a)	Explain classification of monosaccharides.	07
	(b)	Write a short note on structure of t-RNA.	07
Q.5	(a)	Write a short note on haptens.	06
	(b)	Differentiate different classes of immunoglobulins.	06
	(c)	Write a short note on adjuvants	02
		OR	
Q.5	(a)	Explain the concept of graft rejection.	06
	(b)	Differentiate different granulolytic cells.	06

(c) Write a short note on epitopes.

02