2 0 FEB 2020



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA B.Sc. Medical Laboratory Science Degree Programme Year End Examination Year 3-5th Batch

		Biotechnology (MLS 3104) - SEQ	
Date:	08 th September 2016	Time:10.30 a.m - 11.30 a.m	Duration: 01 hour
Index	Number:		
Answ	er all questions		
1.			
		f following agents used in DNA isolation.	(20 marks
	a) Sodium dodecyl	sulphate	(14
	b) Urea		
	c) Chelating agent	S	
	d) Protease		
	e) RNase		
	1.2 Describe two method	ods used in isolating genomic DNA.	(30 marks
	1.3 List the two method	ds practiced in RNA isolation and briefly exp	lain one of them. (30 marks
	0.124, respec	the 1 in 10 diluted DNA sample at 260 nm stively. If the absorbance unit of the DNA of this isolated DNA sample.	
\	b) Absorbance a sample.	t 280 nm of this sample is 0.270. Comment of	on the purity of this DN (10 marks
2.			
	2.1 List three mech purification.	nanical cell disruption techniques used	in protein isolation ar
	2.2 Briefly explain the	techniques mentioned in 2.1.	(30 mark
	2.3 List three laborate	ry techniques used in high resolution purific	ation of proteins.
			(15 mark
	2.4 Describe two of the	e methods mentioned in 2.3.	(40 mark
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