



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

6<sup>th</sup> Batch – SEQ – Biotechnology (MLS 3104)

Date: 24<sup>th</sup> July 2017

Time: 10.30 a.m. -11.30 a.m.

Duration: 01 hour

Index Number: .....

Answer all the questions

20

1.
  - 1.1 What is a plasmid? (10 marks)
  - 1.2 What are the characteristics of an ideal plasmid vector? (20 marks)
  - 1.3 Briefly describe the process of selection of recombinant DNA. (70 marks)
  
2.
  - 2.1 Explain the process of cDNA library preparation. (40 marks)
  - 2.2 List **four** advantages of using genetically modified food. (20 marks)
  - 2.3 Assume you have been given the topic “*Genetically modified food is safe to use*” to perform in the university debate competition. Explain your evidence to make the audience convinced on your topic. (40 marks)

