



**THE OPEN UNIVERSITY OF SRI LANKA**  
**FACULTY OF HEALTH SCIENCES**  
**DEPARTMENT OF MEDICAL LABORATORY SCIENCES**  
**ACADEMIC YEAR 2019/2020 – SEMESTER II**



**BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS**  
**MDU5202 – VECTOR BORNE DISEASES**

**FINAL EXAMINATION**

**DURATION: TWO HOURS**

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**DATE: 04<sup>th</sup> MAY 2021**

**TIME: 9.30 AM – 11.30 AM**

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**Part B: Structured Essay Questions (60 marks)**

**Q 1**

1.1 Name three (03) blood sucking flies that act as vectors. (6 marks)

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1.2 State three (03) morphological characteristics of one of the blood sucking flies mentioned in 1.1. (6 marks)

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1.3 Briefly explain how house flies transmit diseases to human. (8 marks)

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**(Total Marks 20)**

**Q2**

2.1 List three (03) infections transmitted by *Aedes* species mosquitoes. (6 marks)

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2.2 Outline three (03) morphological characteristics that help in identification of adult male *Aedes aegypti* mosquito. (6 marks)

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2.3 Briefly describe factors affecting the transmission of dengue. (8 marks)

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**(Total Marks 20)**

**Q 3**

3.1 Name four (04) ectoparasites of medical importance to human. (6 marks)

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3.2 Briefly explain the method of infection transmission to humans by an ectoparasite mentioned in 3.1. (6 marks)

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Index No:.....

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**Part C: Essay Question (20 marks)**

1. Explain prevention and control measures adopted against mosquito-borne diseases.

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