



**THE OPEN UNIVERSITY OF SRI LANKA**

**FACULTY OF HEALTH SCIENCES**

**DEPARTMENT OF MEDICAL LABORATORY SCIENCES**

**ACADEMIC YEAR 2023/2024 – SEMESTER I**

**BACHELOR OF MEDICAL LABORATORY SCIENCES (BMLS) HONOURS**

**MDU4307 – VIROLOGY AND MYCOLOGY**

**FINAL EXAMINATION**

**DURATION: 03 HOURS**

**DATE: 20<sup>TH</sup> MARCH 2024**

**TIME: 1.30 PM – 4.30 PM**

**INDEX NO: .....**











**Part C: Essay Questions. (30 Marks)**

**Q1.** A cluster of children admitted to a teaching hospital with fever and respiratory symptoms. Some of them had severe pneumonia and required ventilation. One child died due to respiratory failure. Briefly describe, clinical sample collection and transport to the virology laboratory to detect causative virus/ viruses. (15 Marks)

**Q2.** A 60-year-old patient was presented to the ENT clinic with chronic sinusitis for 03 months duration. He complained of chronic headache and nasal discharge. He was suspected of chronic fungal sinusitis.

2.1 Identify the common causative agent of chronic fungal sinusitis and describe how you would perform direct microscopy and explain the expected observations. (06 Marks)

2.2 Describe how you would differentiate three (03) common species of the organism (you mentioned in 2.1) morphologically in the laboratory. (09 Marks)

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