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THE OPEN UNIVERSITY OF SRI LANKA  
FACULTY OF HEALTH SCIENCES  
DEPARTMENT OF MLS  
ACADEMIC YEAR 2018/2019 – SEMESTER I



BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS  
MLU3144 – IMMUNOLOGY – LEVEL 5  
FINAL EXAMINATION

DURATION: 02 HOURS

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DATE: 05.03.2019

TIME: 1.30PM – 3.30PM

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**Total- 20 Marks**

**Q2:**

2.1 Name the heavy chains present in the following antibodies. (4 Marks)

- i. IgA.....
- ii. IgG.....
- iii. IgM.....
- iv. IgD.....

2.2 Draw and label a diagram of general immunoglobulin structure. (8 Marks)

2.3 Mention two (02) differences between primary and secondary humoral immune responses in the following table (8 Marks)

	Primary humoral immune response	Secondary humoral immune response
i.		
ii.		

**Total- 20 Marks**

**Q3:**

3.1 Name four (04) types of vaccines. (4 Marks)

- i. ....
- ii. ....
- iii. ....
- iv. ....

3.2 Briefly describe the following terms used in vaccination. (8 Marks)

- i. Monovalent (univalent) vaccine.....  
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- ii. Multivalent (polyvalent) vaccine.....  
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3.3 Name four (04) factors that could determine the efficacy of a vaccine.

(8 Marks)

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**Total- 20 Marks**

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

- 1 Describe host immune responses against **extracellular** bacterial infection in the correct order.

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