

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

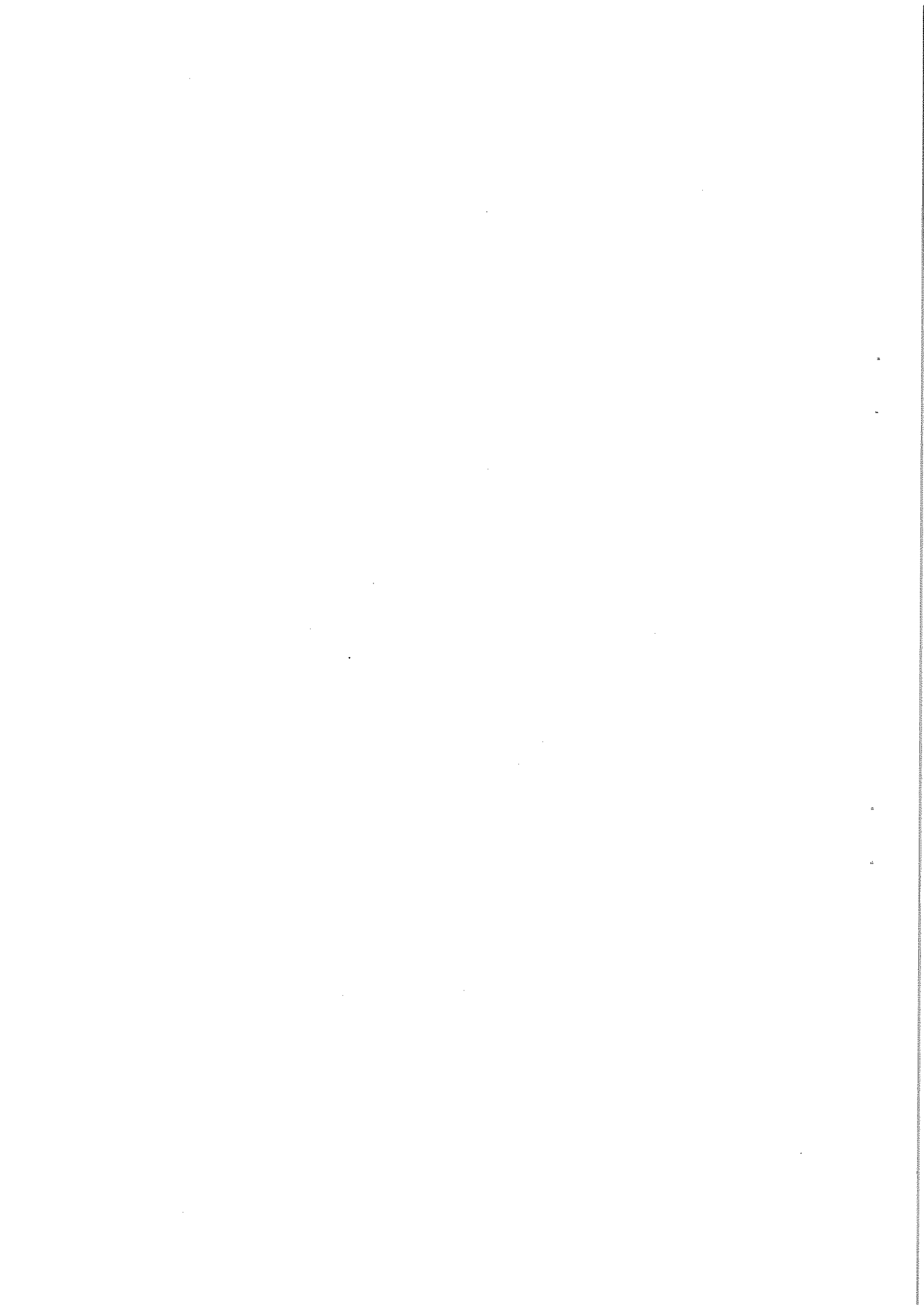


BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS
MDU5303 – IMMUNOLOGY & SEROLOGY – LEVEL 5
FINAL EXAMINATION

DURATION: 03 HOURS

DATE: 05.03.2019

TIME: 1.30PM – 4.30PM



Index No:.....

Q3:

3.1 Name the heavy chains present in the following antibodies. (2 Marks)

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

3.2 Draw and label a diagram of general immunoglobulin structure. (4 Marks)

3.3 Mention two (02) differences between primary and secondary humoral immune responses in the following table (4 Marks)

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

Total- 10 Marks

Q4:

4.1 Name four (04) types of vaccines. (2 Marks)

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

4.2 Briefly describe the following terms used in vaccination. (4 Marks)

- i. Monovalent (univalent)vaccine.....
.....
.....
.....
- ii. Multivalent (polyvalent) vaccine.....
.....
.....
.....

Index No:.....

4.3 Name four (04) factors that could determine the efficacy of a vaccine.

(4 Marks)

.....
.....
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.....
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.....
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.....
.....

Total- 10 Marks

Part C: Essay Question (30 marks)

- 1 Describe host immune responses against **extracellular** bacterial infection in the correct order. (15 Marks)
- 2 Describe the mechanism of type II hypersensitivity reaction and its clinical manifestations. (15 Marks)

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MDU5303 IMMUNOLGOY & SEROLOGY- LEVEL 5
FINAL EXAMINATION (2018/2019)

ANSWER SHEET FOR PART A

- | | | | | | | | | | | | |
|-----|---|---|---|---|---|-----|---|---|---|---|---|
| 1. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d | 11. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d |
| a | b | c | d | | | | | | | | |
| a | b | c | d | | | | | | | | |
| 2. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d | 12. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d |
| a | b | c | d | | | | | | | | |
| a | b | c | d | | | | | | | | |
| 3. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d | 13. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d |
| a | b | c | d | | | | | | | | |
| a | b | c | d | | | | | | | | |
| 4. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d | 14. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d |
| a | b | c | d | | | | | | | | |
| a | b | c | d | | | | | | | | |
| 5. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d | 15. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d |
| a | b | c | d | | | | | | | | |
| a | b | c | d | | | | | | | | |
| 6. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d | 16. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d |
| a | b | c | d | | | | | | | | |
| a | b | c | d | | | | | | | | |
| 7. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d | 17. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d |
| a | b | c | d | | | | | | | | |
| a | b | c | d | | | | | | | | |
| 8. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d | 18. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d |
| a | b | c | d | | | | | | | | |
| a | b | c | d | | | | | | | | |
| 9. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d | 19. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d |
| a | b | c | d | | | | | | | | |
| a | b | c | d | | | | | | | | |
| 10. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d | 20. | <table border="1"><tr><td>a</td><td>b</td><td>c</td><td>d</td></tr></table> | a | b | c | d |
| a | b | c | d | | | | | | | | |
| a | b | c | d | | | | | | | | |