



**DL-9048**

Seat No. \_\_\_\_\_

**M. D. (Branch - IX) Examination**

**March – 2022**

**Microbiology : Paper - I**

*(General Microbiology & Immunology)*

Time : **3** Hours]

[Total Marks : **100**

**Instructions :**

- (1) Figures on right side indicate full marks.
- (2) Draw neat and clean diagram wherever necessary.

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|----------|---|-----------|
| <b>1</b> | Classify antimicrobial agents. Discuss mechanisms and detection methods of antimicrobial resistant in bacteria. | <b>33</b> |
| <b>2</b> | Describe the structure and functions of lymphoid organs and cells of immune systems.                            | <b>33</b> |
| <b>3</b> | Write notes on :<br>(a) Chemical disinfectants.<br>(b) Immunodeficiency disorders.                              | <b>34</b> |
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