

S. S. INSTITUTE OF MEDICAL SCIENCES AND RESEARCH CENTRE, DAVANGERE

I Internal Assessment Examination

Microbiology Question Paper

Your answers should be specific to the question asked.

Draw neat labeled diagrams wherever necessary.

Time duration: 2 hours

Max

Marks: 60

Long Essays

2 X 10 = 20 Marks

1. Define and classify Antigen antibody interactions. Write in detail about agglutination reactions. (2+2+6)
2. Draw and label the bacterial cell. Describe the structure, functions and demonstration of flagella (4+2+2+2)

Short Essays

5 X 4 = 20 Marks

3. Robert Koch
4. Bacterial growth curve
5. Transduction
6. Mechanisms of innate immunity
7. Tests for disinfectants

Short Answers

10 X 2 = 20 Marks

8. Negative staining
9. Draw diagram showing distribution of bacterial spore
10. Urease test
11. Name four bacterial vaccine
12. Four differences between exotoxin and endotoxin
13. Tyndallisation
14. Structure and function of IgE antibody
15. What is Hapten and give two examples?
16. Cold sterilization
17. Four differences between active and passive immunity