

Q.P. Code: 1782

Rajiv Gandhi University of Health Sciences, Karnataka

III Semester B. Sc Nursing Degree Examination - 01-Jul-2024

Time: Three Hours**Max. Marks: 37****APPLIED MICROBIOLOGY – SECTION – A (RS-6)****Q.P. CODE: 1782****(QP Contains Two Pages)**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1782 and 1783 are to be answered within total duration of 3 hours)**LONG ESSAY****1 x 10 = 10 Marks**

1. a) Describe the classification and types of microbes
b) Explain the morphology and growth of microbes

SHORT ESSAYS**3 x 5 = 15 Marks**

2. Explain the types of culture and media preparation
3. Describe the virulence factors of streptococcus pyogenes with laboratory diagnosis
4. Explain agglutination and types of agglutination reaction

SHORT ANSWERS**3 x 2 = 6 Marks**

5. List two branches of microbiology
6. Enumerate the limitations of Koch's Postulates
7. Give two examples for amphitrichous bacteria

Multiple Choice Questions**6 x 1 = 6 Marks**

8. Cholera Vibrios was discovered by
A. Robert Koch
B. Paul Ehrlich
C. Max Theiler
D. Joseph Lister
9. Bacteria that die on exposure to oxygen are called
A. Obligate anaerobes
B. Obligate aerobes
C. Microaerophilic bacteria
D. Facultative anaerobes
10. A culture medium that distinguishes one micro-organism from another is
A. Enriched medium
B. Complex medium
C. Chemically defined medium
D. Mac Conkey's medium
11. Cutaneous infections caused by Staphylococcus is
A. Pneumonitis
B. Empyema
C. Impetigo
D. Pyemia

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12. The most commonly isolated enterococcus from human sources is
A. Enterococcus avium

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- B. Enterococcus faecalis
 - C. Enterococcus Termitis
 - D. Enterococcus resistant to Vancomycin
13. Pulse polio immunization is a method of attaining
- A. Local Immunity
 - B. Natural active immunity
 - C. Herd immunity
 - D. Humoral immunity

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