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**DHANALAKSHMI SRINIVASAN COLLEGE
OF ARTS & SCIENCE FOR WOMEN
(AUTONOMOUS)**

(For Candidates admitted from 2019-2020 onwards)



UG DEGREE EXAMINATIONS APRIL - 2021

B.Sc., - MICROBIOLOGY

CLINICAL MICROBIOLOGY

Time: 3 Hrs

Max.Marks: 75

PART - A

CHOOSE THE CORRECT ANSWER

(10X1=10)

1. During an oral surgery, the surgeon nicked the patient's gum with a sharp instrument. This allowed *Streptococcus*, a bacterium normally present in the mouth, to gain access to the blood. As a result, the patient developed bacterial endocarditis (an infection of the heart). Which type of disease is this?
 - a) Iatrogenic
 - b) Nosocomial
 - c) Vectors
 - d) Zoonotic
2. Which period is the stage of disease during which the patient begins to present general signs and symptoms?
 - a) Convalescence
 - b) Incubation
 - c) Illness
 - d) Prodromal
3. The most likely agents to cause a nosocomial infection include:
 - a) Staphylococcus, pseudomonas, and coliform bacteria
 - b) Staphylococcus, pseudomonas, and Marek's disease
 - c) Streptococcus, coliform bacteria, pseudomonas
 - d) Staphylococcus, pseudomonas, and parvovirus
4. Which is the only country to have extensively used biological weapons in war?
 - a) United States
 - b) Russia
 - c) Iraq
 - d) Japan
5. *Streptococcus* infections can cause all of the following except?
 - a) Rheumatic Fever
 - b) Tetanus
 - c) Scarlet Fever
 - d) Impetigo
6. A PPD skin test is used to diagnose which of the following?
 - a) Diphtheria
 - b) Tuberculosis
 - c) Syphilis
 - d) Whooping Cough
7. Name the virus that is transmitted through the biting of infected animals, birds, and insects to a human?
 - a) Rabies Virus
 - b) Ebola Virus
 - c) Flavivirus
 - d) All the above
8. Name the virus that covers himself with a modified section of the cell membrane and create a protective lipid envelope?
 - a) Influenza virus
 - b) HIV
 - c) Neither A nor B
 - d) Both A and B

9. Dermatophytic diseases attributed infections to

- a) Humans b) Insects c) Monkeys d) Birds

10. Blastomyces brasiliensis causes which of the following disease?

- a) North American blastomycosis b) South American blastomycosis
c) Histoplasmosis d) Sporotrichosis

PART - B

ANSWER ALL THE QUESTIONS

(5X7=35)

11. a) Give an account on normal flora of human host and its types

(OR)

b) Write a short note on physical barriers

12. a) Differentiate between emerging and re-emerging infectious diseases

(OR)

b) Differentiate between Biological warfare and weapons.

13. a) Illustrate any 3 respiratory diseases

(OR)

b) Explain about the enteric diseases caused by bacteria with relevant examples

14. a) Differentiate between Hepatitis A and B

(OR)

b) Brief about the causes, symptoms and treatment for Rota virus

15. a) Discuss about the superficial mycoses

(OR)

b) Summarize about the Mycotoxicosis

PART - C

ANSWER ANY THREE QUESTIONS

(3X10=30)

16. Elaborate the Host microbe interaction and invasion

17. Explain in detail about the disease AIDS

18. Write short notes on the following:

1. Brucellosis
2. Salmonellosis
3. Tetanus
4. Gonorrhoea
5. Syphilis.

19. Describe about any 5 viral diseases

20. Write a detailed account on Cutaneous and Subcutaneous mycoses