
PART-A

(Applied Microbiology) 37 Marks

Choose the correct answer for the following MCQs

6 X 1 = 6

1. The Father of Antiseptic surgery is
 - a) Louis Pasteur
 - b) Edward Jenner
 - c) Robert Koch
 - d) Joseph Lister
2. Staining Technique used in RNTCP
 - a) Zeihl Neelsen Stain
 - b) Gram stain
 - c) PAS
 - d) Giemsa Stain
3. Which of the following constitutes specific protection?
 - a) Immunization
 - b) Avoidance of allergens
 - c) Healthy environment
 - d) Chemoprophylaxis
4. Chain arrangement of Gram Positive Cocci seen in
 - a) Staphylococcus
 - b) Enterococcus
 - c) Micrococcus
 - d) Streptococcus
5. Temperature used for Hot Air Oven is
 - a) 100°C for 1 hour
 - b) 120°C for 1 hour
 - c) 160°C for 1 hour
 - d) 60°C for 1 hour
6. The Primary mode of transmission of Poliomyelitis virus
 - a) Person to person
 - b) Food and water
 - c) Flies
 - d) Both A and B

Write an essay on any ONE of the following:

1 X 10 = 10

7. Define HIV. Enlist different stages of HIV. Discuss its diagnosis and treatment.
(2+2+6)
8. Discuss the principles of Microbiology and its importance in Nursing.

Write short note on any THREE of the following:

3 X 5 = 15

9. Bacterial Growth Curve
10. Immunization Schedule
11. Culture and media preparation.
12. Structure and classification of Microbes.

Write briefly on the following:

3 X 2 = 6

13. Types of Staining
14. Types of Cocci
15. Anaerobic Vs Aerobic bacteria

PART-B

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Part-B

(Infection Control including Safety) 38 Marks

Choose the correct answer for the following MCQ

7 X 1 = 7

16. MRSA Stands for
- a) Multiple Resistant Organisms b) Methicillin Resistant S. Aureus
 - c) Multiple Drug Resistant d) Many drug resistant S. Aureus
 - Staphylococci
17. Hospital induced infection acquired during the stay of a patient is called
- a) Localized Infection b) Nosocomial Infection
 - c) Secondary Infection d) Reinfection
18. Rubber Goods are sterilized by
- a) Red Heat b) Flaming
 - c) Hot Air Oven d) Autoclave
19. Broken glass vials discarded in which bin
- a) Red bin b) Yellow bin
 - c) Blue bin d) Black bin
20. Hand wash with soap and water must be done for
- a) 20 Sec b) 30 - 40 Sec
 - c) 40 - 60 Sec d) 10 Sec
21. The conditions required for autoclave is
- a) 121°C and 15 lbs b) 121°C and 20 lbs
 - c) 150°C d) None of the above
22. Code Blue indicates
- a) Cardiac Arrest b) Baby Disaster
 - c) Internal Disaster d) External Disaster

Write an essay on any ONE of the following:

1 X 10 = 10

23. Define Hospital acquired infection. Mention the mode of transmission of Hospital acquired infection. Enumerate major preventive measures against Hospital acquired infection. (2+4+4)
24. Explain in detail about antibiotic stewardship.

Write short note on any THREE of the following:

3 X 5 = 15

25. Autoclave
26. Mention the type of sample to be collected in extra pulmonary tuberculosis.
27. Types of isolation system.
28. IPSG.

Write briefly on the following:

3 X 2 = 6

29. Steps of Donning
30. Moments of Hand Hygiene
31. Define Universal Precaution.
