

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, LUCKNOW**MBBS DEGREE - IInd PROFESSIONAL - REGULAR EXAMINATION - MARCH-2024****MICROBIOLOGY - PAPER - I****SECTION A - Multiple Choice Questions (MCQs)**

PAPER CODE : 2411130006

SET : B

Note: Choose one correct answer in the OMR sheet provided. No overwriting should be done.

Time: 20 Minutes

(20 x 1 = 20 MARKS)

1. Jumping genes is:
 - a) Episome
 - b) Transposon
 - c) Plasmid
 - d) Cosmid
2. Which of the following is an enveloped virus?
 - a) Adenovirus
 - b) Herpesvirus
 - c) Polio virus
 - d) Influenza virus
3. Which is the most common cause of endocarditis associated with intravenous drug usage?
 - a) Streptococcus agalactiae
 - b) Staphylococcus aureus
 - c) Streptococcus pneumoniae
 - d) Staphylococcus epidermidis
4. Penicillin anaphylaxis is mediated by which of the following hypersensitivity reactions?
 - a) Type II
 - b) Type I
 - c) Type IV
 - d) Type III
5. Which of the following biomedical waste bags are terminally disposed by incineration?
 - a) Yellow
 - b) Black
 - c) White
 - d) Red

6. What level of hepatitis B antibody is considered to be protective after vaccination?
- a) 1 IU/ml
 - b) 0.1 IU/ml
 - c) 10 IU/ml
 - d) 0.05 IU/ml
7. Which of the following uses both diffusion and dilution methods for antimicrobial susceptibility?
- a) Broth dilution method
 - b) Kirby Bauer
 - c) E-test
 - d) Stokes
8. What is a mutation that changes the whole sequence of amino acids occurring after it known as?
- a) Nonsense mutation
 - b) Missense mutation
 - c) Frameshift mutation
 - d) Inversion
9. Definitive host for Echinococcosis is:
- a) Dog
 - b) Man
 - c) Pig
 - d) Sheep
10. Endoscope is sterilized by:
- a) Formaldehyde
 - b) Glutaraldehyde
 - c) Hot air oven
 - d) Autoclaving
11. India ink is which type of staining technique?
- a) Impregnation method
 - b) Simple staining
 - c) Differential staining
 - d) Negative staining

12. Tyndallization is a type of:
- Pasteurisation
 - Intermittent sterilization
 - Dry heat
 - Boiling
13. Which one of the following is NOT a suitable specimen for anaerobic culture?
- Throat swab
 - Peritoneal fluid
 - Blood
 - Exudates from deep abscess
14. Which one is the single most important cause of gastroenteritis in young children?
- Rota viruses
 - Adenoviruses
 - Sapovirus
 - Norovirus
15. Which of the following fungi is usually associated with Blood Stream Infection?
- Paracoccidioides
 - Sporothrix schenckii
 - Rhizopus
 - Piedra
16. All of the following are testing methods of Antimicrobial sensitivity for bacteria except:
- Broth dilution method
 - Disk diffusion method
 - Molecular method
 - Chemical method
17. A 25 year old female presented to emergency with generalized edema, sweating, flushing, tachycardia and edema after a bee sting. This reaction is mediated by which of the following antibodies?
- IgG
 - IgM
 - IgA
 - IgE

18. Prozone phenomenon is due to:

- a) Antibody excess
- b) Antigen excess
- c) Antigen antibody excess
- d) Hyper immune response

19. Bacteria are uniformly stains in which phase of bacterial growth curve?

- a) Log phase
- b) Lag phase
- c) Decline phase
- d) Stationary phase

20. Detection of fimbriae can be done by which of the following method?

- a) Craigie's tube method
- b) Hanging drop method
- c) Differential staining
- d) Electron microscopy

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