

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY**MBBS DEGREE - IInd PROFESSIONAL - REGULAR EXAMINATION - DEC
2024****MICROBIOLOGY - PAPER - I****SECTION A - Multiple Choice Questions (MCQs) SET : D**

PAPER CODE : 2411130006

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

Time: 20 Minutes (20 x 1 = 20 MARKS)

1. Hydatid disease is caused by:
 - a) Echinococcus vogeli
 - b) Echinococcus oligarthus
 - c) Echinococcus multilocularis
 - d) Echinococcus granulosus
2. HIV in 4-month child is confirmed by:
 - a) p24 Antigen assay
 - b) HIV DNA PCR
 - c) Viral Culture
 - d) HIV ELISA
3. Post streptococcal glomerulonephritis is an example of:
 - a) Type 2 hypersensitivity reaction
 - b) Type 3 hypersensitivity reaction
 - c) Type 4 hypersensitivity reaction
 - d) Type 1 hypersensitivity reaction
4. Which of the following is the vector of Trypanosoma brucei:
 - a) Tse Tse fly
 - b) Rat flea
 - c) Sand fly
 - d) Culex mosquito
5. In which organ does Salmonella typhi exist in carriers?
 - a) Kidney
 - b) Gallbladder
 - c) Spleen
 - d) Blood
6. Settle plate method and slit sampler are used to monitor the quality of which of the following?
 - a) Water
 - b) Milk
 - c) Food
 - d) Air

7. All of the following are heterophile agglutination tests EXCEPT:
- Paul-Bunnell test
 - Anti-Streptolysin O test
 - Cold agglutination test
 - Weil-Felix reaction
8. Which of the following method of sterilization is used for endoscope?
- Filtration
 - Hot Air Oven
 - 2% Glutarylaldehyde
 - Autoclave
9. A patient of Rheumatic heart disease developed infective endocarditis after dental extraction. Most likely organism causing this is:
- Streptococcus pneumoniae
 - Streptococcus pyogenes
 - Staphylococcus aureus
 - Streptococcus viridans
10. HLA complex is located on the short arm of:
- Chromosome 8
 - Chromosome 2
 - Chromosome 5
 - Chromosome 6
11. Which of the following is/are gram negative diplococci:
- Neisseria gonorrhoeae
 - Mycoplasma genitalium
 - Streptococcus pneumoniae
 - Treponema pallidum
12. Which type of immunity is acquired after recovery from an infection or through vaccination?
- Passive immunity
 - Active immunity
 - Adoptive immunity
 - Innate immunity
13. Which one of the following complement factor acts as an anaphylotoxin?
- C2a
 - C3a
 - C4b
 - C3b
14. Following type of culture media containing inhibitory substance that inhibit normal flora and allows the pathogen to grow:
- Selective Media
 - Transport Media
 - Differential Media
 - Enriched Media

15. Which of the following is a non-pathogenic *Leptospira*?
- a) *L. interrogans*
 - b) *L. copenhageni*
 - c) *L. biflexa*
 - d) *L. icterohaemorrhagiae*
16. Which of the following diagnostic test is a slide flocculation test?
- a) Kahn test
 - b) Weil-Felix
 - c) ASLO
 - d) VDRL
17. Organ of adhesion is:
- a) Capsule
 - b) Fimbriae
 - c) Slime
 - d) Flagella
18. Which of the following parasite enters through intact skin?
- a) *Trichuris trichiura*
 - b) *Ascaris lumbricoides*
 - c) *Giardia lamblia*
 - d) *Strongyloides stercoralis*
19. The vector that transmits Kyasanur Forest disease is:
- a) Mosquito
 - b) Sandfly
 - c) Rodent
 - d) Tick
20. Which of the following is a human oncogenic virus:
- a) Papilloma virus
 - b) Polyoma virus
 - c) Variola virus
 - d) Parvovirus