

PAPER CODE: MB2019116**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES****WARANGAL, TELANGANA STATE - 506002****MBBS SECOND YEAR DEGREE EXAMINATION FEBRUARY, 2024****MICROBIOLOGY PAPER-II****Time: 3 Hours****Max Marks: 100****Note: Answer all questions.****Give Diagrammatic representation wherever necessary.**

Multiple Choice Questions:**10 X 1=10**

1. Buruli ulcer is caused by
 - a) *M. ulcerans*
 - b) *M. tuberculosis*
 - c) *M. chelonae*
 - d) *M. marinum*
 2. Intermediate host of guinea worm is
 - a) Man
 - b) Cyclops
 - c) Fish
 - d) It has only one host
 3. Which of the following virus is associated with human cancers?
 - a) Measles virus
 - b) Epstein Barr virus
 - c) Dengue virus
 - d) Respiratory Syncytial virus
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4. Rat bite fever is caused by
- a) *Leptospira interrogans*
 - b) *Borrelia recurrentis*
 - c) *Yersinia pestis*
 - d) *Streptobacillus moniliformis*
5. Plastic infectious waste should be segregated in which colour bag?
- a) Yellow
 - b) Blue
 - c) Red
 - d) Black
6. If culture of CSF specimen has to be done and if delay is expected the specimen should be stored in
- a) -80°C
 - b) -20°C
 - c) -4°C
 - d) 37°C
7. Target haemolysis is produced by:
- a) *Enterococcus*
 - b) *Streptococcus pyogenes*
 - c) *Streptococcus viridans*
 - d) *Clostridium perfringens*
8. All the following are virulence factors for anthrax, except
- a) Pyrogenic factor
 - b) Edema factor
 - c) Protective factor
 - d) Lethal factor

9. What is the drug of choice for Onchocerciasis

- a) Albendazole
- b) Metronidazole
- c) Ivermectin
- d) Mebendazole

10. The drug of choice for Pneumocystis pneumonia

- a) Cotrimoxazole
- b) Amphotericin B
- c) Flucytosine
- d) Voriconazole

Essay/Long Answer Questions:

2X15=30

11. A 32 year old truck driver complains of thick purulent discharge from Urethra. He gave the history of unprotected sex with sex worker 10 days back. He was also complaining of burning Micturition. Urethral discharge was sent for culture. Gram Stain shows Intracellular Gram Negative diplococci and Numerous Pus Cells. (3+5+7)

- a. Name the disease and aetiological agent?
- b. List out the sexually transmitted diseases causing Urethral discharge.
- c. Write about the lab diagnosis. Describe the morphology of the organism.

12. A 32 year old male was brought to casualty with infected stab wound. Necrosed tissue bits were sent for laboratory for culture. Gram stain shows very few pus cells and Gram positive bacilli. (2+3+6+4)

- a. Name the disease and aetiological agent?
- b. Write about the pathogenesis.
- c. What culture medium and method is used.
- d. Write about passive immunization in this case.

Short Answer Questions:**7 X 6 = 42**

13. Biomedical waste management.
14. Infectious Mononucleosis.
15. Cutaneous Anthrax.
16. Measles.
17. Sporotrichosis.
18. Laboratory diagnosis of Pulmonary Tuberculosis.
19. Lung Fluke.

Very Short Answer Questions:**6 X 3 = 18**

20. Amsel criteria for diagnosis of bacterial vaginosis.
21. Negri bodies.
22. Name three viruses causing congenital infections.
23. Define Nosocomial Infection.
24. Classify Fungi based on Morphology.
25. Lepromin Test.
