

**PAPER CODE: MB2019115****KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES****WARANGAL, TELANGANA STATE - 506002****MBBS SECOND YEAR DEGREE EXAMINATIONS: APRIL/MAY, 2022****MICROBIOLOGY (NEW REGULATION) PAPER-I****Time: 3 Hours****Max Marks: 100****Note: Answer all questions.****Give Diagrammatic representation wherever necessary.**

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**Write an essay on the following:****2 X15 = 30**

1. A 40-year-old man complains of mild fever, pain abdomen, foul smelling stools mixed with blood. On stool microscopy plenty of clumped RBCs and motile trophozoites were seen.

a. Identify the pathogen and condition.

b. Explain the pathogenesis of the condition.

c. Enumerate the complications.

d. Explain the laboratory diagnosis of the condition.

**(3+4+4+4)**

2. A 7-year-old female child presented to cardiology OPD with swollen red tender joints which migrated from one joint to another over a period of hours. The child was having abnormal gait. She also complained of painless small mobile lumps beneath the skin overlying bony prominences. On auscultation murmur was heard over the mitral valve area. ECG showed prolongation of P-R Interval. Child gave a history of sore throat 3 weeks back.

a. What is the probable clinical diagnosis and its aetiological agent?

b. Describe the diagnostic criteria used for this condition.



c. How will you prevent recurrence of such episodes?

(4+7+4)

**Write a short note on the following:**

**8X5=40**

3. Anaerobic culture methods.

A. Viral Gastroenteritis

5. Mycetoma.

6. Write about Agglutination Reaction & Types.

7. Gas Gangrene.

8. Catheter related Blood Stream Infections.

9. Transduction.

10. Type I Hypersensitivity.

**Write briefly on the following:**

**10X3=30**

14. Koch's Postulates.

12. Name three viruses transmitted through Blood.

13. Four differences between Classical and El Tor Vibrio.

14. Mucosal Candidiasis.

15. Molluscum Contagiosum

16. Name three Bile stained Eggs.

17. Adjuvants.

18. Stool Salt Flotation Technique.

19. Weil Felix Test

20. Herd Immunity.

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