

**Q.P. CODE: MB2019115**  
**KALOJI NARAYANA RAO UNIVERSITY OF**  
**HEALTH SCIENCES**  
**WARANGAL, TELANGANA STATE - 506 002**  
**MBBS SECOND YEAR DEGREE**  
**EXAMINATIONS: APRIL, 2022**  
**MICROBIOLOGY (NEW REGULATION)**  
**PAPER-I**

Time: 3 Hours

Max Marks: 100

-: Answer all questions

Diagrammatic representation Microbiology 1

**ESSAY QUESTIONS – 30 MARKS**

**Write an essay on the following:**

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)

## SHORT NOTES – 40 MARKS

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

3. Anaerobic culture methods. posmat
4. Viral Gastroenteritis. Gas Pac
5. Mycetoma. Staphylococcal Food Poisoning.
6. Write about Agglutination Reaction & Types.

### WIDAL TEST

7. Gas Gangrene.
  8. Catheter related Blood Stream Infections.
  9. Transduction.
  10. Type I Hypersensitivity.
-

## **BRIEF ANSWERS – 30 MARKS**

**Write briefly on the following:**

11. Koch's Postulates.
12. Name three viruses transmitted through Blood.
13. Four differences between Classical and El Tor Vibrio.
14. Mucosal Candidiasis. Pathogenesis & window period in HI
15. Molluscum Contagiosum. Draw diagram of Giardia cyst.
15. Name three Bile stained Eggs.
17. Adjuvants.
18. Stool Salt Flotation Technique.
19. Weil Felix Test.
20. Herd Immunity.