

**Q.P. CODE:506-B-CBME**

DR. NTR UNIVERSITY OF HEALTH SCIENCES: AP: VIJAYAWADA-520008

M.B.B.S. DEGREE EXAMINATION – FEBRUARY, 2022

SECOND M.B.B.S. EXAMINATION

MICROBIOLOGY Paper-II

(Theory Questions)

Time: 2 Hours 40 Minutes

Max. Marks: 80

Note: Answer all questions

Draw a neat diagram wherever necessary

SECTION-II (THEORY QUESTIONS - 80 MARKS)**STRUCTURED ESSAY QUESTIONS**

2X15=30

1. Rajesh, a 28 year old male, was admitted to the hospital with complaints of low grade fever, loss of weight and appetite and chronic cough with expectoration for past 6 months. Sputum examination revealed long, slender and beaded acid fast bacilli
 - a. What is your provisional diagnosis
 - b. Describe the pathogenesis of the condition
 - c. Describe the lab diagnosis in detail and briefly mention about drug resistance(3+6+6)
2. Describe the pathogenesis, lab diagnosis and prophylaxis of poliomyelitis

SHORT ANSWER QUESTIONS:

10X5=50

- 3) Primary amoebic encephalitis
- 4) Lab diagnosis of urinary tract infections
- 5) Cutaneous anthrax
- 6) Lab diagnosis of syphilis
- 7) Atypical pneumonia
- 8) Diagnosis and prophylaxis of HINI infection
- 9) Oncogenic viruses
- 10) Viral hemorrhagic fevers
- 11) 25 year old man comes to blood bank for blood donation. On collecting the sample for testing he was found to be hepatitis B positive. How will you disclose the result to the patient
- 12) 19 year old lady comes to gynecology department with history of thin green colour foul smelling discharge from the vagina associated with intense pruritis
 - a. What is the causative organisms
 - b. Discuss the pathogenesis and lab diagnosis

