

QP Code

Reg. No

Second Professional MBBS Degree Examinations 2019 SCHEME

MICROBIOLOGY PAPER II 2019 SCHEME

(Model Question Paper)

Time: 3hrs

Max. marks: 100

Answer all questions. Draw diagrams wherever necessary

Long Essay

(2 x15=30)

1. A 22-year-old male presented with evening rise of temperature and cough of 2 months duration. On examination, he was pale, looks ill. X-ray showed apical shadow.

- a. What is your clinical diagnosis?
- b. Name the causative agent.
- c. Describe the pathogenesis of this disease.
- d. How do you confirm the diagnosis in the laboratory? Add a note on the newer guidelines.
- e. Briefly describe the preventive measures?
- f. Name the new drugs for treatment of this disease.

(1+1+3+5+3+2=15)

2. A 10-yr old boy is admitted with fever, hyperirritability, and difficulty in swallowing. On examination the child had hydrophobia and aerophobia. On enquiry he gives history of cat scratch about one month back.

- a. What is your clinical diagnosis?
- b. Name the causative agent.
- c. Describe the pathogenesis of this condition.
- d. Discuss the laboratory diagnosis in detail.
- e. Expand IDR. Name the vaccines used.
- f. How do you treat the boy?
- g. Discuss about the preventive measures of this condition.

(1+1+3+4+2+1+3=15)

Short essay.

(5 x 8=40)

3. Explain the pathogenesis and laboratory diagnosis of Gas gangrene. (4+4)

4. What are dermatophytes? Describe the laboratory diagnosis of Dermatophytosis. (3+5)

5. Enumerate SIX causative agents of sexually transmitted diseases. Describe in detail about any one of them. (3+5)
6. Discuss the pathogenesis, lab diagnosis, treatment and prevention of filariasis? (2+2+1+3)
7. Enumerate SIX causative agents of Zoonosis. Discuss the laboratory diagnosis and treatment of any one of them. (3+5)

Short answer questions

(5x 4= 20)

8. Current immunization schedule for Polio.
9. Laboratory diagnosis of COVID-19 infection.
10. State whether true or false with justification- Vancomycin is superior to Cloxacillin in treating MSSA (Methicillin Sensitive Staphylococcus aureus) infections.
11. List FOUR parasites infecting CNS and their infecting forms
12. How do you reveal HIV test result to the patient?

Objective type questions

(10 x 1= 10)

13. Name TWO viruses causing congenital infections.
14. Name TWO parasites causing cutaneous larva migrans.
15. Name TWO human oncogenic viruses.
16. State whether true or false with justification- Influenza Vaccine strains differ each year.
17. Define Prions. Give one example.
18. Name TWO agents of Eumycetoma.
19. Enumerate FOUR intracellular pathogens.
20. Name TWO parasites infecting lungs.
21. Enumerate FOUR viruses causing maculopapular rashes.
22. Name TWO dimorphic fungi.