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Register Number:

Name of the Candidate:

M.Sc. DEGREE EXAMINATION, May 2015

(MICROBIOLOGY)

(SECOND YEAR)

230: MEDICAL MICROBIOLOGY

Time: Three hours

Maximum: 100 marks

SECTION - A

Answer any TEN questions

(10 × 2 = 20)

Each answer should not exceed 50 words

1. Gnotobiotic
2. MLD
3. Lysogenic conversion
4. Lactoferrin
5. Opsonins
6. Null cells
7. Intubation
8. "Kit Approach;
9. TSST
10. Tetanospasmin
11. BI
12. Reiter strain
13. Ghon focus
14. Carboic acid
15. Use-dilution test

SECTION - B

Answer any FOUR questions

(4 × 10 = 40)

Each answer should not exceed 300 words

16. How is the establishment of a disease carried out by a parasite in host. What are the factors which determine them?
17. How can serological detection methods be useful to clinical microbiologist. What are the common immunodiagnostic tests.

18. What is “military tuberculosis”. How do the bacilli progress into this?
19. What are the clinical symptoms of the acute diarrheal disease caused by *V. Cholerae*?
20. What is the severity of clinical features and the course of HSV infections?
21. In terms of mode of action why some chemotherapeutic agents are bacteriostatic and others bactericidal. Justify with examples to each and their mode of action.

SECTION - C**Answer any TWO questions****(2 × 20 = 40)**

22. Write an account on different lines of non specific resistance against infection and disease.
23. What are the general guidelines to be followed in collection transport and handling of clinical specimens?
24. Give an account on the epidemiology and clinical criteria of two types of viral hepatitis.
25. Describe the wide spectrum of clinical features in HIV infection. Justifying, AIDS as the last stage of the disease. How do antiretroviral drugs act as the mainstay in management of HIV infections?

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