C 1255 (Pages : 2) Name.....

Reg. No.....

# SIXTH SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION, MARCH 2021

Microbiology

MBY 6B 16—MEDICAL MICROBIOLOGY–II

Time : Three Hours Maximum : 120 Marks

## Section A

*Answer* **all** *questions.*
*Each question carries ½ mark.*

1. The eosinophilic inclusion bodies developed by vaccinia virus is :

   (Guarnieri bodies, Negri bodies, Lipschutz inclusions, Dane particles)

2. Name the vector transmitting Chickunguniya.

3. The Indian ink preparation is used for detecting :

   (Candida albicans, Saccharomyces cereviciae, Penicillium marneffi, Cryptococcus neoformans)

4. In which morphological form dimorphic fungal pathogens exist in human tissue specimens ?

5. Name the causative agent of 'black water fever'.

6. The largest intestinal nematode parasiting man is ————.

7. Name the vaccine used for pulse polio immunization.

8. TAB vaccine used for immunoprophylaxis of :

   (Tuberculosis, Typhoid and paratyphoid fever, Tetanus and Botulism, Tetanus and Brucellosis)

9. The antibiotics inhibiting bacterial cell wall is :

   (Tetracyclin, Erythromycin, Vancomycin, Nalidixic acid)

10. Carbapenam resistance in bacteria is due to the production of the enzyme called ————.

11. Name the vector transmitting filariasis.

12. The 'germ tube' test is used for the diagnosis of infection by :

    (Sporothrix schenckii, Candida albicans, Histoplasma capsulatum, Rhinosporidium seeberi)

(12 × ½ = 6 marks)

**Turn over**

## Section B

*Write briefly on* **all** *questions.*
*Each question carries* 3 *marks.*

13. Tzanck smear.
14. Antigenic drift.
15. Dimorphic fungi.
16. Black piedra.
17. Differentiate dysentery and diarrhoea.
18. Thick and thin blood smear preparation.
19. Artificially acquired active immunity.
20. BCG vaccine.
21. β-lactamases.
22. Mode of action of tetracycline.

(10 × 3 = 30 marks)

## Section C

*Write short essays on any* **six** *questions.*
*Each question carries* 8 *marks.*

23. SARS.
24. Hepatitis B.
25. Differential characteristics of dermatophytes.
26. Methods for laboratory diagnosis of parasitic infections.
27. Mycetoma.
28. Life cycle, pathogenecity and clinical features of *Ancylostoma duodenale* infection.
29. Classification of antibiotics.
30. Whole organism vaccines.

(6 × 8 = 48 marks)

## Section D

*Write essays on any* **two** *questions.*
*Each question carries* 18 *marks.*

31. Discuss the characteristics of HIV. Describe pathogenesis and laboratory diagnosis of HIV infections.
32. Discuss the etiology, pathogenesity, laboratory diagnosis and management of blastomycosis.
33. Describe the life cycle of *Entamoeba histolytica*. Write on pathogenesis, laboratory diagnosis and management of amoebic dysentery.

(2 × 18 = 36 marks)