

CBME**Dr NTR UNIVERSITY OF HEALTH SCIENCES : VIJAYAWADA - 8****MBBS DEGREE EXAMINATION - JANUARY, 2025****SECOND M.B.B.S. EXAMINATION****MICROBIOLOGY - PAPER-II (SET-C)****(Multiple Choice Questions)****Time: 20 Minutes****Max Marks: 20****Note: Answer all questions.**

SECTION-I (MCQs - 20 MARKS)**1X2=20**

- 1) Causative agents of Neonatal meningitis are all **except**
 - a. Hemophilus influenzae
 - b. Streptococcus agalactiae
 - c. Listeria monocytogenes
 - d. Escherichia coli
- 2) Which of the following is **false** regarding cryptococcus neoformans
 - a. It is capsulated
 - b. It is a yeast like fungi
 - c. Pigeon droppings can be source of infection
 - d. It stains Gram positive in Gram's staining
- 3) The following parasites cause lung infections **except**
 - a. Paragonimus westermani
 - b. Ascaris lumbricoides

- c. Ancylostoma duodenale
- d. Taenia saginata

4) The following are the properties of Acinetobacter except

- a. It is a gram negative coccobacilli
- b. It is a non-glucose fermenter
- c. It can cause healthcare associated infections
- d. It is a normal flora in the colon of human

5) Both intracellular and intranuclear inclusion bodies are seen in

- a. Measles virus
- b. Rabies virus
- c. Herpes virus
- d. Polio virus

6) Slow viral disease is the one which has all these except

- a. Invariably fatal
- b. Has long incubation period
- c. Strong genetic predisposition
- d. Doesn't produce cytopathic effects invitro

7) Rabies immunoglobulin? Tick the right answer

- a. It only manufactured as a human immunoglobulin
- b. At least half the dose should be infiltrated around the wound
- c. Can only be given within 1 week of a bite
- d. If you are really concerned can be given IV in very high risk cases

8) Decontamination of prions can be done by

- a. Autoclaving at 134°C for 1-1.5 hour
- b. Treatment with 1 N NaOH for 1 hour
- c. 0.5% sodium hypochlorite for 2 hours
- d. All of the above

9) Which of the following test is/are used to identify *Helicobacter pylori*

- a. Warthin- Starry silver staining
- b. Biopsy urease test
- c. Urea breath test
- d. All of the above

10) Which of the following statement is not correct about 'congenital syphilis'

- a. The spirochetes are transferred from mother to fetus across the placenta
- b. The early manifestations occur in children during the birth
- c. Five to ten percent of infected children can develop cutaneous lesions
- d. The infection can lead to still birth

11) Antigenic drift in influenza viruses results from mutations in

- a. Haemagglutinating genes
- b. Neuraminidase genes
- c. Both of the above
- d. None of the above

12) The culture medium for *Corynebacterium diphtheriae* is

- a. Loeffler's serum slope
- b. McConkey agar
- c. Sabouraud's agar
- d. Lowenstein-Jensen medium

13) Haemophilus influenzae grows on all of the following media except

- a. Chocolate agar
- b. Fildes's agar
- c. Nutrient agar
- d. Blood agar with S. aureus streak line

14) An indication for insertion of an indwelling urinary catheter is

- a. Acute urinary retention
- b. Intraoperative monitoring of urinary output
- c. Wound healing promotion in patients with sacral or perineal wound
- d. All of the above

15) Crushed ping-pong ball appearance is seen in

- a. Chromoblastomycosis
- b. PCP
- c. Eumycotic mycetoma
- d. Rhinosporidiosis

16) Fish tank granuloma is caused by

- a. M. kansasii
- b. M. fortuitum

c. *M. marinum*

d. *M. ulcerans*

17) Satellitism is a property of *H. influenzae* demonstrated on blood agar by using

a. *Listeria*

b. Group B streptococcus

c. *Staphylococcus*

d. *Streptococcus pyogenes*

18) Which of the following organisms can cause aseptic meningitis

a. *Neisseria gonorrhoea*

b. *Leptospira*

c. *Streptococcus pneumonia*

d. *Bordetella pertussis*

19) Well's disease is caused by

a. *Leptospira interrogans*

b. *Borrelia Recurrentis*

c. *Treponema pallidum*

d. *Borrelia vincentii*

20) Which of the following fungi can cause aseptic meningitis

a. *Aspergillus*

b. *Fonsecaea pedrosoi*

c. *Cryptococcus*

d. *Fusarium*