

Reg. No. :

Code No. : 7807

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PMBM 32

M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2019.

Third Semester

Microbiology

MEDICAL AND PHARMACEUTICAL
MICROBIOLOGY

(For those who joined in July 2016 and afterwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions, Choose the correct answer

1. Which of these gram negative bacteria commonly cause a UTI?
 - (a) *Escherichia coli*
 - (b) *Neisseria meningitis*
 - (c) *Neisseria gonorrhoea*
 - (d) *Salmonella sp*

2. _____ medium is used to differentiate *Vibrio cholera* and *V. parahaemolyticus*.
 - (a) Alkaline bile salt
 - (b) Thiosulphate-citrate-bile-sucrose (TCBS)
 - (c) MacConkey
 - (d) All of these
3. Which virus is now to causes cervical cancer?
 - (a) Papilloma virus
 - (b) Pox virus
 - (c) Parvovirus
 - (d) Paramyxo viruses.
4. Which of these is Commonly Found on the Skin?
 - (a) *Streptococcus pneumonia*
 - (b) *Staphylococcus aureus*
 - (c) Viridians streptococci
 - (d) *Clostridia sp*
5. What is the clinical manifestation of poliovirus?
 - (a) Gastroenteritis
 - (b) Spinal paralysis
 - (c) Myocarditis
 - (d) Conjunctivitis

6. How are dengue viruses 1-4 transmitted?
- (a) Blood bore
 - (b) Vector
 - (c) Respiratory
 - (d) Direct contact
7. For an anaerobic infection which drug is out first choice
- (a) Metronidazole
 - (b) Penicillin
 - (c) Gentamicin
 - (d) Vancomycin
8. The destruction of all microorganisms on surface, such as the skin is.
- (a) Antisepsis
 - (b) Disinfection
 - (c) Sterilization
 - (d) Nil Culture

9. Which of the following is actually a drug compendium
- (a) International pharmacopoeia
 - (b) City pharmacopeia
 - (c) Pharmacopoeia amstelredamensis
 - (d) Martindale the extra pharmacopoeia
10. Formularies are the books containing
- (a) Information for the preparation of drug
 - (b) List of drugs approved for us by a particular hospital, health plan or government.
 - (c) List of drug approved by the US food drug administration (FDA) and the FDA evolutions of the therapeutic equivalence of different manufactures preparation of approved drug.
 - (d) Information about the therapeutic use of drug.

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write about the pathogenesis process of diphtheria

Or

- (b) Write short notes on chemotherapy

12. (a) Write about the lab diagnosis process of staphylococcal infection

Or

- (b) Write short notes on candidiasis

13. (a) Add notes on yellow fever

Or

- (b) Write a short note on influenza.

14. (a) What is MIC in microbiology and briefly explain the same.

Or

- (b) Antibiotic resistant bacteria cause problem in hospitals - discuss

15. (a) What is British pharmacopeia

Or

- (b) Write about Sterility testing of surgical device.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Write about the modes of transmission, infection symptoms and treatment for tuberculosis.

Or

- (b) What are gastro intestinal infections? Describe their pathogenesis, symptoms and diagnosis with one example.

17. (a) Describe the pathogenesis and diagnosis of fungal infections.

Or

- (b) What are the vector borne diseases? Explain their mode of infection symptoms and treatment process.

18. (a) Explain the transmission, pathogenesis and treatment of dengue.

Or

(b) What is SARS? What is the process of transmission, symptoms and treatment of SARS?

19. (a) Briefly describe about type of disinfectants.

Or

(b) Write about factors influencing the selection of drugs.

20. (a) Write about sterility testing of parental products in detail.

Or

(b) Write about sterility testing processes of surgical devices and absorbable dressings and hemostats.
