

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Honours (Microbiology) (Sem.-5)

MEDICAL MICROBIOLOGY

Subject Code : BSMB-503-20

M.Code : 92509

Date of Examination : 14-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. Write briefly :

- a) Discuss invasion.
- b) Define parasites.
- c) Define opportunistic infections.
- d) What do you mean by septicemia?
- e) What are the symptoms of gastrointestinal diseases caused by *Vibrio cholera*?
- f) Discuss the Herpes virus.
- g) What are the symptoms of COVID-19?
- h) What are antimicrobial agents?
- i) What are blood-borne infections?
- j) Mention the symptoms of the disease caused by *Staphylococcus aureus*.

SECTION-B

2. Discuss in detail about inhibition of cell wall synthesis in concern with anti-microbial agents.
3. Elaborate on the anti-viral agent with special reference to Acyclovir and Amantadine.
4. Describe in detail retroviruses.
5. Define giardiasis and also comment on gastrointestinal infections.
6. Discuss the inhibitors of cell metabolism.

SECTION-C

7. Define antibacterial agent. Mention their modes of action with a special focus on inhibitors of nucleic acid synthesis and inhibitors of cell membrane function.
8. Discuss in detail the collection, transport, and culturing of clinical samples.
9. What do you know about the antiviral agent? With relevant examples and mechanisms.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.