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Total No. of Questions : 09

B.Sc.(MLS) (2013 to 2017) (Sem.-1)

GENERAL MICROBIOLOGY

Subject Code : BMLS-102

M.Code : 48047

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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

Q1 Write a short note on :

- A) Define magnification.
- B) What is growth curve?
- C) What is the difference between TEM & SEM?
- D) Define sterilization.
- E) Who invents the Microscope?
- F) Write a short note on culture media
- G) Define immunity.
- H) Name the five laboratory animals.
- I) Why segregation is important for biomedical waste?
- J) What is Bactericide?

SECTION-B

- Q2 Write the different methods of identification of bacteria.
- Q3 Discuss the factors affecting bacterial growth.
- Q4 Classify different categories of disinfectants with examples and their uses.
- Q5 Write in brief about type of culture media.
- Q6 Write on aerobic and anaerobic fungi.

SECTION-C

- Q7 Define Immunity and elaborate on different types of immunity.
- Q8 Explain the use of hot air oven and autoclave to control microorganisms.
- Q9 Discuss in detail about the various types of microscopes used in laboratory and its principles and operational uses.

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.