

GURUDAS COLLEGE (C.U)
INTERNAL EXAMINATION ,2020
B.Sc (PART I)
MICROBIOLOGY
(General)
FIRST PAPER

TIME : 1.30 HOURS

FULL MARKS 50

Figures in the margin indicate full marks

Group A

*Answer any **one** question*

- Q1. a) What is generation time of bacteria? (5)
b) Briefly explain the growth curve of bacteria. Give diagram. (8+4)
c) Classify bacteria based on their oxygen requirement? (8)
- Q2. a) How do dry heat and moist heat kill microorganisms? (5+5)
b) Explain bactericidal and bacteriostatic agents with examples of each. (6+6)
c) What are phototrophs? (3)

Group B

*Answer any **one** question*

- Q4. a) What is mutarotation? Explain (8)
b) Explain epimers and anomers with examples (4+4)
c) What is a polysaccharide? Name four polysaccharides. (3+ 6)
- Q5. a) What are the different kinds of bases and sugars found in nucleic acids? (5+5)
b) What are polypeptides? Give examples (6)
c) Name a structural and a functional protein. (3)
d) What are fibrous protein and globular protein? (6)

Submit your answer scripts from your own email id to passmcbg@gmail.com