

GURUDAS COLLEGE
INTERNAL EXAMINATION – 2020
BSc (SEMESTER – II) CBCS
MICROBIOLOGY (GEN)

PAPER: CC-2/GE-2: BACTERIOLOGY & VIROLOGY

FULL MARKS : 50

TIME: 2 HOURS

GROUP – A

(25 MARKS)

Q.1 Answer ALL Questions:

10X2.5=25

- a) What do you mean by virus? Give example.
- b) State four important characteristics of virus.
- c) What do you mean by Viroids? Give example.
- d) Mention Two important characteristics of Viroids.
- e) What is prions? Give example.
- f) Mention two important characteristics of Prions.
- g) Give an example of Lytic & Lysogenic virus.
- h) What do you mean by enveloped virus? Give example.
- i) How does viruses can be classified in the presence of Capsid.
- j) Give an example of a Pathogenic and non pathogenic virus.

GROUP – B

(15 MARKS)

Q.1 Answer ANY THREE Questions:

3X5=15

- a) Briefly discuss about the capsid component of a virus.
- b) Write down the steps of Lytic cycle of a virus.
- c) Mention step wise the process of Lysogenic replication of a virus.
- d) State the differences between Lytic and Lysogenic replication of a virus.
- e) How does a virus is classified in the presence of a Nucleic acid?
- f) Mention the steps of Gram staining procedure of a given sample.
- g) Mention the principle of a Endospore staining.

GROUP - C

(10 MARKS)

ANSWER ALL QUESTIONS

1. Mention the general characteristics of HIV virus. 5
2. Mention the general characteristics of a TMV virus. 5

Please Send Your Answer Copy to “ mcbgcbcs@gmail.com “ within 4:30 p.m