

U.G. 4th Semester Examination - 2020**Molecular Biology & Biotechnology****[GENERIC ELECTIVE]****Course Code : MBG-201(P)CC-4****Paper : Microbiology****[PRACTICAL]**

Full Marks : 20

Time : Hours

The figures in the right-hand margin indicate marks.

1. Write any **one** of the followings: 10
- a) How can Gram nature a supplied bacterial sample be determined? If you conduct the experiment, what would be the requirements, principle, procedure and observation?
2+2+3+3
- b) How can you determine whether a supplied strain (A) can hydrolyze the starch? State out the requirements, principle, procedure, observation and inference of your experiment.
2+2+3+2+1
- c) How can you determine the effectiveness of a supplied antibiotic against the supplied strains

(B) and (C). Write the theory, requirements, procedure, observation and inference of your experiment. 2+2+3+2+1

- d) How can one perform an endospore staining of a supplied sample (D). Write the requirements, principle, procedure, observation and inference of this kind of an experiment. 2+2+3+2+1

2. Practical Records 5
3. Viva-voce 5