

U.G. 5th Semester Examination - 2021

ZOOLOGY

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : ZOOL(H)DSE-P-02

[PRACTICAL]

(Microbiology)

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Write any **one** from the following questions:

- i) Write down the principle and procedure of gram staining. Which microbial organisms are found in curd? What happens when you incubate *Lactobacillus sp* in milk having temperature of 37°C? 6+2+2
- ii) With suitable diagram describe the procedure of making solid media on Petri dish for isolation of single bacterial colony. 6+4

iii) Write short notes on the following: $2\frac{1}{2} \times 4 = 10$

- a) Slant and stab
- b) Streak plate
- c) Sugar fermentation test
- d) Methylene blue reductase test

2. Submission of Laboratory Note book. 5
3. Viva-voce. 5
