

U.G. 5th Semester Examination - 2021**FOOD & NUTRITION****[HONOURS]****Course Code : F&N(H)CC-P-12/PR****[PRACTICAL]****(Medical Microbiology & Pathology)**

Full Marks : 40

Time : 2 Hours

*The figures in the right-hand margin indicate marks.***Answer all the questions.**

1. Write the composition of the following media: $3 \times 2 = 6$
 - a) Mc Conkey agar
 - b) EMB agar
2. Write the steps of Antibiotic Sensitivity Test by disc-diffusion method in a flow chart. 5
3.
 - a) Identify the microorganism supplied to you after necessary staining.
 - b) Write the characteristic features of the microorganism. $10 + 3 = 13$
4.
 - a) Calculate the total coliform count in the water sample supplied.

- b) Differentiate between faecal and non-faecal coliform.

- c) What are high ratio and low ratio organisms?

 $10 + 4 + 2 = 16$
