

DD-797

M. Sc. (Fourth Semester) EXAMINATION, 2020

MICROBIOLOGY

Paper Third

(Food Microbiology)

Time : Three Hours

Maximum Marks : 80

Note : Attempt all the *four* questions. All questions carry equal marks.

1. Give an account of chemical preservative and food additives.

Or

Write notes on the following :

- (a) Microbial flora of fresh food
 - (b) Food as a substrate for micro-organism
2. Give an account of mold and mycotoxin contamination of food.

Or

Write short notes on the following :

- (a) Aflatoxin
- (b) Role of micro-organism in vinegar fermentation

3. Give the positive and negative role of micro-organisms in food industries.

Or

Write short notes on the following :

- (a) Infective and toxic effect of *Salmonella* and *Vibrio*
 - (b) Laboratory testing procedure of food borne outbreak
4. How is waste treatment disposal and quality control maintained in India for food ? Explain.

Or

Write notes on the following :

- (a) Government agencies and food safety
- (b) USDA and its role