

(f) Halophiles.

C/16/M.Sc./4th Seme./MCB-401

(Turn Over)

Total Pages—4

C/16/M.Sc./4th Seme./MCB-401

M.Sc.

2016

4th Semester Examination

MICROBIOLOGY

PAPER—MCB-401

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Answer all questions of the following.

(Group-A)

(Marks : 20)

Answer any two questions

1. (a) Explain "Edge effect" with example.
- (b) How do you distinguish between food chain and food Web? Explain with example.

(Turn Over)

(c) Differentiate between grazing and detritus food chain.

(d) Explain how ecosystem maintain its stability.

3+2+2+3

2. (a) Differentiate between K-selected and r-selected species.

(b) Explain density dependent and density independent regulation of population with example.

(c) Why do species migrate? Explain with example.

(d) Write a note on survivorship curve.

2+3+2+3

3. (a) Explain co-evolution with example. What is biodiversity?

(b) Mention its environmental significances.

(c) Distinguish between habitat and niche.

(d) What should be the strategy for the management of conservation centres? Prepare a synoptic note.

3+2+2+3