

2019

Major 3rd Semester Examination

AGRO-SERVICE

Paper - C 7-T

(Fertilizers, Manures and Biofertilizers)

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Answer all questions.

1. Answer *any five* questions : 5×2=10
 - (a) What do you mean by Macro nutrients ? 2
 - (b) Write down the name of micro nutrients. 2
 - (c) What do you mean by straight fertilizers ? 2
 - (d) Name one free living and one symbiotic nitrogen fixing microbe. 2
 - (e) Write down the *role mixed fertilizers*. 2

[Turn Over]

- (f) Write down deficiency symptoms of Nitrogen in plants. 2
- (g) Distinguish between vermi-compost and vermiwash. 2
- (h) Discuss in brief the role of potash in plant growth. 2

2. Answer *any four* questions : 5×4=20

- (a) Write down the procedure of compost making. 5
- (b) What do you mean by Bio-fertilizers ? Write down the preparation and field application of bio-fertilizers. 5
- (c) Critically discuss the role and importance of green manure. 5
- (d) Discuss on the role of secondary nutrients (Cu, Mg and S) supplying fertilizers. 5
- (e) Write a note on fertilizer management and calculation. 5
- (f) Discuss on the importance of fertilizer management for crop growth.

3. Answer *any one* question from the below : $10 \times 1 = 10$

- (a) Discuss in detail the role and importance of organic manures in crop production. 10
- (b) Write a comprehensive note on the role of and importance of NPK for soil fertility and crop health. 10
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