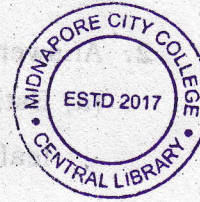


2022

B.Sc. (Honours) in AGRICULTURE

2nd Semester Examination

PAPER—AGS-204



(Practical)

**FUNDAMENTALS OF PLANT BIOCHEMISTRY
AND BIOTECHNOLOGY**

Full Marks : 20

Time : 1 Hour

*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.*

1. Answer any one question : 1×5

(a) Prepare the pH solution (A/B/C).

(b) Prepare the buffer solution (D/E).

(Turn Over)

- (c) Identify with reason sample B of amino acids with the help of qualitative tests of amino acids.

2. Answer any one question : 1×10

- (a) Estimate the chlorophyll content of following leaf sample (A'/B').

- (b) Estimate the protein sample C with the help of Lowry's method of protein estimation.

[Principle-1, requirements-2, procedure-2, result-3, Observation-2]

3. Laboratory Note Book. 2

4. Viva-Voce. 3

