

B.Sc. (NEP Pattern) Semester-I
BSCBO501 - Botany Paper-I - Basic Botany-I

P. Pages : 2

Time : Three Hours



GUG/W/24/15922(S)

Max. Marks : 40

- Notes :
1. All questions are compulsory.
 2. Draw well labelled diagram whenever necessary.

- 1.** Write in detail. **2x4**
=8
- a) Define Botany & write importance of Botany.
 - b) Basic branches of Botany.
- OR**
- c) Contribution of Charak & Sushrut.
 - d) Contribution of Mendel & Darwin
- 2.** Write in detail. **2x4**
=8
- a) General characters of life.
 - b) General characters of Lichens.
- OR**
- c) General characters of Algae
 - d) Five Kingdom system of classification.
- 3.** Write in short: **4x2**
=8
- a) Genetics & Breeding.
 - b) Hypothesis
 - c) Plant taxonomist & conservation biologist
 - d) Green revolution
- OR**
- e) Contribution of Carolus Linnaeus.
 - f) Contribution of DR. Khobragade
 - g) Contribution of Hans Krebs
 - h) Contribution of Robert Hill.

4. Write in short.

4x2
=8

- a) Economic importance of Bacteria.
- b) Hydrosphere
- c) Biotic components of Ecosystem.
- d) General characters of Viruses.

OR

- e) Economic importance of Fungi.
- f) Two kingdom system of Linnaeus.
- g) Economic importance of Pteridophytes.
- h) General characters of Gymnosperm.

5. Write in one or two lines **any eight**. (Diagrams are not necessary)

8x1
=8

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|--------------------|--------------------------------|
| a) Phytochemistry. | b) Domestication. |
| c) Economic Botany | d) Father of Botany |
| e) Sir J. C. Bose | f) M. S. Swaminathan. |
| g) PPLO | h) Lithosphere |
| i) Capsid | j) Amphibians of plant kingdom |
| k) Dicotyledons | l) Vascular cryptogams |
