

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

P. Pages : 2

Time : Three Hours



GUG/W/24/15922

Max. Marks : 40

- 1.** Write in detail.
- a) Define different basic botany branches any four. 4
 - b) Explain the correlation of plants and people. 4
- OR**
- c) Write contribution of Charak and Sushrut. 4
 - d) Write contribution of Leeuwenhoek and Linnaeus. 4
- 2.** Write in detail.
- a) Explain the concept of ecosystem. 4
 - b) Give the concept of atmosphere. 4
- OR**
- c) Explain the five kingdom system of classification. 4
 - d) General characters of Algae 4
- 3.** Write in short.
- a) Plant geneticists and breeders. 2
 - b) Environmental educators & Ecologist 2
 - c) Molecular Biology & Biotechnology. 2
 - d) Definition and Etymology of Botany 2
- OR**
- e) Contribution of Gregor Johann Mendel. 2
 - f) Contribution of Robert Hill. 2
 - g) Contribution of Hatch and slack. 2
 - h) Contribution of Gottlieb Haberlandt. 2

4. Write in short.
- a) Importance of Bacteria. 2
 - b) Living and Non-living characters of viruses. 2
 - c) Importance of Lichens. 2
 - d) Abiotic component of ecosystem. 2
- OR**
- e) General characters of Fungi 2
 - f) Two Kingdom system. 2
 - g) Characters of angiosperm. 2
 - h) Importance of pteridophytes. 2
5. Write answers in one or two lines only (Write **any Eight**.) 8
- a) Taxonomist
 - b) Agronomy
 - c) Biostatistics
 - d) Murashige and Skoog medium
 - e) Charles Darwin
 - f) Sushruta Samhita
 - g) Capsule
 - h) Mycoplasma
 - i) Homeostasis
 - j) Amphibians of plant kingdom
 - k) Vascular cryptogams.
 - l) Gymnosperm
