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SEAT No. :

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**[5315] - 107**

**S.Y. B.Sc.**

**BOTANY**

**BO-211 : Taxonomy of Angiosperms & Plant Community**

**(2013 Pattern) (Semester-I) (Paper-I)**

*Time : 2 Hours]*

*[Max. Marks : 40*

*Instructions to the candidates:*

- 1) All questions are compulsory.*
- 2) Figures to the right indicate full marks.*
- 3) Neat diagrams must be drawn wherever necessary.*

**Q1) Answer the following:**

**[10]**

- a) What is natural system of classification?
- b) What are hydrophytes?
- c) Define synecology.
- d) Give botanical names of any two economically important plant from family myraceae.
- e) Define monograph.
- f) Write the type of fruit of solanaceae
- g) Define systematics.
- h) What is binomial nomenclature?
- i) Define Herbarium.
- j) What is food web?

**Q2) Attempt any two of the following:**

**[10]**

- a) Give the objectives of taxonomy.
- b) Explain anatomy as a source of data for systematics.
- c) Explain the concept of effective and valid publication.

**P.T.O.**

**Q3)** Write notes on Any two of the following: **[10]**

- a) Flora
- b) Merits and limitations of Linnaeu's system of classification.
- c) Pyramid of energy.

**Q4)** Give distinguishing characters, floral formula, floral diagram and economic importance of family Annonaceae. **[10]**

OR

What are xerophytes? Give external and internal adaptations in stem and leaf. **[10]**

