

SH-III/SA/2104/19

B.Sc. 3rd Semester (Honours) Examination, 2019-20**FORESTRY****Course ID : SA2104****Course Code : SH-SA-2104**

Course Title : Dendrology

Time: 2 Hours**Full Marks: 50***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Write a definition or short answer of *any ten* of the following: 1×10=10
- Name the book written by Linnaeus.
 - Who is called father of Botany?
 - Which inflorescence is found in *Oryza sativa*?
 - Jute plants belongs to which family?
 - Name one timber yielding plants of family Fabaceae.
 - Name one rubber yielding plants.
 - Name plants with perigynous flower.
 - Sal belongs to the _____ family.
 - Mustard belongs to the _____ family.
 - What do you mean by pulse family?
 - Name one proponent of phylogenetic system of classification.
 - Where you find monodelphous system?
 - Nomenclature of trees.
 - Where you find verticillaster inflorescence?
 - What is systematic botany?
2. Write short note/ define *any ten* of the following: 2×10=20
- Name a family with inferior ovary. Mention one economically important plant.
 - What do you mean by phylogenetic system classification?
 - What is author citation?
 - Mention diagnostic characters of the family Poaceae.
 - To which family *Psidium* sp. belongs. Name another plant of this family.
 - Mention two merits of Bentham and Hookers classification.
 - Name two medicinal plants belonging to family Apocynaceae.

- (h) Name a family with unisexual flower and a plant of economic importance of this family.
- (i) Comment on the systematic position of Malvaceae according to Bentham and Hookers.
- (j) Mention two diagnostic characters of Orchidaceae.
- (k) Define Bark colour.
- (l) What is bark colour? How can you identify the tree species through bark colour?
- (m) International Code of Botanical Nomenclature.
- (n) What is systematic Botany?
- (o) Write down the two objectives of systematic Botany.

3. Write down on brief *any four* of the following:

5×4=20

- (a) Give an outline of Bentham and Hookers classification.
 - (b) Describe different type of aestivation.
 - (c) Point out the importance of botanical and herbarium.
 - (d) Compare floral range of Malvaceae and Tiliaceae.
 - (e) Mention two diagnostic characters of Rubiaceae and give two examples of medicinal plants of this family.
 - (f) Draw and describe petal characteristics of papilionaceae.
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