(ii) Sclerids.
mkeueejl[me

7. (i) Describe the types of meristems on the basis of origin and position 3½
eJeeYeVe Øekeâej keâ eJeYepÙeelekeâe keâe Gvekeâe Glheeòe Deej mLeeve keâ DeeOeej hej eJeJeÛevee keâeepeS~

(ii) Describe with suitable diagram Secondary growth in typical dicotstem. 4
eÉyeepe he$ee, leve ce nF eÉleeÙekeâ Jeeæ keâe meeÛe$e JeCeve keâeepeS~

Unit-IV / FkeâeF-IV

8. Describe the development and types of Embryosaes in Angiosperms. 7½
DeeJeleyeeepeÙee ce YeCekeâe<e keâ heejJeOeve leLee Øekeâeje keâe JeCeve keâeepeS~

9. Write short notes on the following: 2½×3
evecveeueeKele hej mee#ehle eŠhheeCeÙee eueeKeS :

(i) Endosperm formation
YeCehee<e keâe eveceeCe

(ii) Apomixis
Demeiepeveve

(iii) Pollinium
hejeieehe[

A (Printed Pages 4)

Roll No. _____

S-640

B.Sc. (Part-II) Examination, 2015
(Old Course & Exempted)
BOTANY
First Paper
(*Angiosperms-Taxonomy, Economic Botany & Morphology*)

Time Allowed : Three Hours] [Maximum Marks : 50

Note : Answer five questions in all. Question No. 1 is compulsory. Attempt one question from each unit. All parts of a question be attempted together.
keâue heeÙe ØeMvee keâ Gòej oeepeS~ ØeMve me. 1 DeeveJeeÙe n~ ØelÙekeâ FkeâeF me Skeâ ØeMve keâeepeS~ Skeâ ØeMve keâ meYee Yeeieee keâe Gòej SkeâmeeLe oeepeS~

1. Answer the following in brief: 2×10=20
evecveeueeKele keâe mee#ehle Gòej oeepeS:

(i) Axile Placentation
mleYeeÙe pejeÙevÙeeme

(ii) Duramen
[Ùejeceve

(iii) Secondary growth in general
meeceevÙeleÙee eÉleeÙe Jeeæ

(iv) Monadelphous stamens
Skeâmelee hekeâmej

(v) Circinotropous ovule
keâ[euele yeepee[

(vi) Artificial system of classification
keâe$ece Jeieekeâjce heæele

(vii) Phylloclade
heCeeYeJele

(viii) Corymb
meceeMeKe he<he>eâce (keâejcye)

(ix) Histogen theory
enmšepeve emeæevle

(x) Triple fusion.
e$emeÙeepeve

Unit-I / FkeâeF-I

2. Describe Bentham and Hooker system of classification highlighting its merits and demerits. Compare with system of Engler and Prantl.
yeLece Deej nkeâj keâ Jeieekeâjce keâe Fmekeâ ieCe Deej oe<ee keâe Øekeâešle keâjle nS eJeJeÛevee keâeepeS~ Fmekeâe leuevee Fieuej Deej Øeešue keâe heæele me keâeepeS~ 7½

3. Write notes on the following: 2½ × 3 = 7½
evecveeueeKele hej mee#ehle eŠhheeCeÙee eueeKeS :

(i) Nomenclature of plants
heeohee keâe veecekeâjce

(ii) Herbarium Technique
njyeejÙece eJeeOe

(iii) Botanical Gardens of India.
Yeejle Je<e keâ Jeevemheelekeâ GÅeeve

Unit-II / FkeâeF-II

4. Discuss the following : 2½ × 3
evecveeueeKele keâe eJeJeÛevee keâeepeS:

(i) Fibre yielding plants
jMee Glheeokeâ heeOe

(ii) Sugar yielding plants
Mekeâje Glheeokeâ heeOe

(iii) Starch yielding plants
ce[Glheeokeâ heeOe

5. Write short notes on the following : 2½ × 3
evecveeueeKele hej mee#ehle eŠhheeCeÙee eueeKeS :

(i) Asteraceae
Smšjmee

(ii) Brassicaceae
yeeemekeâmee

(iii) Poaceae
heeSmee

Unit-III / FkeâeF-III

6. Write short notes on the following : 3½ + 4
evecveeueeKele hej mee#ehle eŠhheeCee eueeKeS :

(i) Bast fibres
keâe... jMee