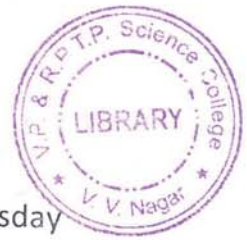


V.P.and R.P.T.P.Science college
First internal test , 2015



Subject: Botany

Day: Wednesday

Course No. US03CBOT02

Date: 07.10.2015

Time: 03 to 4.30 pm

Marks: 25

Note: (a) Answer all questions in your own words as far as practicable.

(b) Support your answer with suitable diagram(s) wherever required.

Q.1. Multiple choice questions. Answer all. 03

(A) Which one of the following is the most appropriate for a mature sieve- tube member of angiosperms?

- (i) Presence of slime plug (ii) Parietal protoplast
(iii) Absence of nucleus (iv) All of these

(B) Trimerous flowers and apocarpous pistil can be seen in the family:

- (i) Annonaceae (ii) Asteraceae
(iii) Rubiaceae (iv) Meliaceae

(C) Which one of the following wood is the most suitable for making beams?

- (i) *Shorea robusta* (ii) *Tectona grandis*
(iii) *Adina cordifolia* (iv) *Gmelina arborea*

Q.2 Answer any two in brief: 04

(A) What are the functions attributed to parenchyma?

(B) Write only one use of *Cichorium intybus* cultivated in Gujarat?

(C) You have been given a flower. How will you ascertain that this flower belongs to the family Meliaceae.

Q.3 Describe the role of various types of meristems in the life of a plant. 06

OR

Q.3 Write short notes on: (a) Companion cell – development and function 3x2=06
(b) Parenchyma cells

Q.4 Describe the general characters and economic importance of the angiosperm family Euphorbiaceae. 06

OR

Q.4 How will you identify a flower belonging to the family Rubiaceae? 06
Describe the economic importance of this family giving examples.

Q.5. Describe the Origin, distribution, Cultivation , and uses of Coffee. 06

OR

Q.5 Write short notes on: (a) Importance of Chana in our life. 06

(b) Tea as a favourite drink

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