

V.P. & R.P.T.P.SCIENCE COLLEGE
INTERNAL TEST THEORY
BIOLOGY
US01CBIO02
(Plant Cytology and Taxonomy)



Date-7/10/2016
Day- Friday

Time-1.30-2.30 p.m.
Marks-25

Q-1 Multiple choice questions. (03)

- (i) How many mitotic divisions occur in a cell of root-tip to form 256 cells?
(a) 128 (b) 255 (c) 10 (d) none of these
- (ii) The arrangement of leaves on the stem and its branches is called _____.
(a) venation (b) phyllotaxy (c) aestivation (d) veneration
- (iii) Coralloid roots of Cycas show,
(a) green algae (b) fungi (c) blue-green algae (d) insects

Q-2 Answer in brief (any two). (04)

- (i) What is karyokinesis?
(ii) Define: Racemose inflorescence.
(iii) Define: Hypogynous flower.

Q-3 Write in detail about-Somatic cell division. (06)

OR

Q-3 What are cell organelles? Write in detail about anyone which has extra nuclear DNA. (06)

Q-4(a) Draw a labeled diagram of a typical flower. (03)

(b) Differentiate between simple & compound leaf. (03)

OR

Q-4 Define palmate compound leaf. Describe various types of it. (06)

Q-5 (a) Give the floral characters of Malvaceae family. (03)

(b) Write the uses of cotton. (03)

OR

Q-5 Describe spore producing structures in Cycas. (06)

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