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D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1

SEMESTER EXAMINATIONS

APRIL - 2016

CABO4A

ALLIED : PLANT BIOLOGY AND BIOTECHNOLOGY - II

Time : 3 Hours

Max. Marks : 75

SECTION – A (10 x 2 = 20)

Answer ALL the questions.

1. Define Taxonomy.
2. Fruits of Annonaceae.
3. What is tapetum?
4. What is Orthotropous ovule?
5. Photosynthesis.
6. Growth Hormones.
7. Food web.
8. Ponds.
9. Define Mendelism.
10. Natural Selection.

SECTION – B (5 x 5 = 25)

Answer any FIVE of the following questions.

11. List out the floral characters of Apocynaceae.
12. Draw and label a mature anther.
13. What are gibberellins? List out their physiological roles in plants.
14. What is an ecosystem? Explain briefly.
15. Describe Mendel's dihybrid cross with example.
16. Describe about the types of tissue culture medium.
17. Give an account of Lamarckism.
18. Define pollution. List out the types of pollution.

SECTION – C (3 x 10 = 30)

Answer ALL the questions.

19. (a) Give a detailed account of the systematic position, range of characters and economic importance of the family Euphorbiaceae.

(Or)

- (b) Give details of interaction of genes and their significance.

20. (a) Write about the applications of Auxins.

(Or)

- (b) Give a detailed account on Nitrogen cycle.

21. (a) Explain the structure of mature ovule and its types.

(Or)

- (b) Give an account on the causes and control measures of air pollution.

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