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

APRIL – 2018

15CPBT2D

ELECTIVE II : EVOLUTION AND ENVIRONMENTAL BIOLOGY

Time : 3 Hrs

Max. Marks : 75

SECTION-A (5 x 6 = 30)

Answer ALL questions.

1. (a) Classify the types of fossils and mention their significance.
(Or)
(b) Write the methods for identification of fossils.
2. (a) Give an account on the orthogenesis and orthoselection.
(Or)
(b) Write a detailed account on Neo Lamarckism and Neo- Darwinism.
3. (a) Mention the types, causes and significance of Extinction.
(Or)
(b) Analyse the structural, chemical similarities and differences in Evolution.
4. (a) Describe the structure and function of ecosystem.
(Or)
(b) Comment on Pond ecosystem.
5. (a) Discuss about the hotspots of biodiversity.
(Or)
(b) Give an account on national parks and sanctuaries.

SECTION-B (3 x 15 = 45)

Answer any THREE of the following questions.

6. Write essay on the geological time scale and geological distribution of animals
7. Write in detail about the following
 - (a) Micro, macro and mega evolution
 - (b) Natural, artificial and sexual selection of evolution
8. Write essay on man in fossil record
9. Describe the structure and functions of grassland, desert and forest ecosystem
10. Explain the types, values and threats to biodiversity.

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