

Reg.No :

--	--	--	--	--	--	--	--	--	--

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

SEMESTER EXAMINATIONS

APRIL - 2016

15CABC2B

ALLIED : BIOLOGICAL SCIENCE

Time : 3 Hours

Max. Marks : 75

SECTION – A (10 x 2 = 20)

Answer ALL the questions.

1. What are living fossils? Give example.
2. What is meant by mega evolution?
3. Define Lipids.
4. Difference between bacteria and fungi.
5. What are the functions of xylem?
6. What are connective tissues? Give example.
7. Write any two photosynthetic pigments.
8. Write the functions of Saliva.
9. Define osmosis.
10. Define respiration.

SECTION – B (5 x 5 = 25)

Answer any FIVE of the following questions.

11. Briefly explain the significance of fossils.
12. What are essential aminoacids? Explain.
13. Explain mode of action of retrovirus.
14. Explain plant growth hormones.
15. Describe the structure of chloroplast.
16. Explain the digestive system of man with neat sketch.
17. List out the functions of mitochondria.
18. Explain the structure of heart.

SECTION – C (3 x 10 = 30)

Answer ALL the questions.

19. (a) What are fossils? Explain its types.

(Or)

(b) Explain TCA cycle.

20. (a) Describe Watson and Crick model of DNA.

(Or)

(b) Explain simple tissues with examples.

21. (a) Explain Calvin cycle.

(Or)

(b) Illustrate the transpiration process in leaves.

* * * * *