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

**SEMESTER EXAMINATIONS**

**NOVEMBER– 2017**

**16CPZO3A**

**ANIMAL PHYSIOLOGY**

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**Time : 3 Hours**

**Max. Marks : 75**

**SECTION – A ( 5 x 6 = 30 )**

**Answer ALL the questions.**

1. (a) Explain the role of gastrointestinal hormones in digestion.  
(Or)  
(b) Write an account on the digestion of proteins.
2. (a) Write a short note on nervous control of respiration.  
(Or)  
(b) Describe the types of hearts.
3. (a) Explain the process of osmoregulation in freshwater fish.  
(Or)  
(b) Explain the physiology of excretion in man.
4. (a) Explain the chemical transmission of nerve impulse.  
(Or)  
(b) Describe the myoneural junction.
5. (a) What are homeotherms? Discuss.  
(Or)  
(b) Explain tropism with example.

**SECTION – B ( 3 x 15 = 45 )**

**Answer any THREE of the following questions.**

6. Briefly explain the physiology of carbohydrate digestion.
7. Elaborate the theories of blood coagulation.
8. Describe the types of excretory products produced by various organisms in relation to the environment.
9. Explain the physiology of muscle contraction.
10. Describe the mechanism of bioluminescence.

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