

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1**SEMESTER EXAMINATIONS****NOVEMBER - 2017****15CBC5B****HUMAN PHYSIOLOGY****Time : 3 Hours****Max. Marks : 75****SECTION – A (10 x 2 = 20)****Answer ALL the questions.**

1. What is cardiac cycle?
2. Give the composition of blood.
3. What is bile salt? Enumerate its function.
4. What is achlorhydria?
5. What is synapse?
6. Explain the role of hormone in lactation.
7. Differentiate active and passive transport.
8. What is renal threshold value?
9. What is bohr's effect?
10. What is a sarcomere?

SECTION – B (5 x 5 = 25)**Answer any FIVE of the following questions.**

11. What is lymph? Enumerate the functions of lymph.
12. How are blood groups determined?
13. Describe the mechanism of HCL secretion in stomach.
14. How are carbohydrates digested and absorbed?
15. Describe the structure and function of neuron.
16. With the help of a labeled diagram explain the GFR.
17. Describe the structure and function of lungs.
18. Write a short note on muscle proteins.

SECTION – C (3 x 10 = 30)**Answer ALL the questions.**

19. (a) Describe the mechanism of blood coagulation.
(Or)
(b) Discuss the digestion and absorption of protein.
20. (a) Give an account of transport of O₂ between lungs and tissues.
(Or)
(b) Write a detailed account on the mechanism of urine formation.
21. (a) Discuss the process of muscle contraction.
(Or)
(b) Describe the initiation, conduction and transmission of nerve impulse.