

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE – 1**SEMESTER EXAMINATIONS****NOVEMBER – 2017****15CPBC1C****HUMAN PHYSIOLOGY AND NUTRITIONAL BIOCHEMISTRY**

Time: 3 Hrs**Max. Marks: 75****SECTION – A (5 X 6 =30)****Answer ALL the questions.**

1.(a) Explain blood clotting mechanism?

(Or)

(b) Explain Cardiac cycle?

2.(a) Explain the digestion and absorption of Proteins?

(Or)

(b) Explain the structure and function of Kidney?

3.(a) What are neurotransmitters? Explain with example?

(Or)

(b) Explain the physiology of pregnancy & lactation?

4.(a) What is BMR? Explain the factors affecting BMR?

(Or)

(b) Write short notes on (i) SDA (ii) RQ

5.(a) Explain the biological function of calcium and phosphorus.

(Or)

(b) Explain the biological functions of Vitamin B1 and its deficiency manifestations.

SECTION – B (3 X 15 =45)**Answer any THREE of the following questions.**

6. Explain in detail about the components of blood.

7. Write in detail about the mechanism involved in urine formation.

8. Explain the structure of neuron and the mechanism of nerve impulse transmission.

9. Give a detailed account on kwashiorkor and marasmus.

10. Explain in detail about the source, biological function, deficiency and toxicity of vitamin A.

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