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HDV-1603120102030800 Seat No. _____

M. Sc. (Biochemistry) (Sem. III) (CBCS) Examination

November / December – 2017

CBC - 8 : Clinical & Nutritional Biochemistry

Time : $2\frac{1}{2}$ Hours] [Total Marks : **70**

1 Answer briefly any **seven** of the following questions : **14**

(1) Describe the intrinsic pathway of blood clotting

(2) Explain: Pellagra as disease of 3Ds

(3) What kind of complications may occur during blood transfusion ?

(4) Cooking increases digestibility of food. Justify

(5) Write a note on extrapulmonary TB

(6) Write note on hemoglobinopathies

(7) What is coronary angioplasty?

(8) Give the sources of Folic Acid and Vit. B_{12}

(9) What are the consequences of increased level of Arginine and Methionine in the diet?

(10) Explain - Biochemical Functions of Folic Acid

2 Answer any **two** of the following questions : **14**

(1) Write down physiology and life cycle of RBC.

(2) What is myocardial infarction? Discuss about risk factors and treatment for it.

(3) Write down nutritional classification of amino acids.

3 (1) Symptoms and causes of Kwashiorkor and Marasmus **7**

(2) What is polycythemia? Discuss pathophysiology and treatment of it. **7**

OR

(3) Write a detailed note on glycaemic and non glycaemic carbohydrates. **7**

(4) What are the dietary requirements of proteins and how vary with gender and under different physiological states? **7**

4 Answer the following questions : **14**

(1) Explain the classification of vitamins and the difference between them

(2) How blood prevented from clotting in healthy vascular circulation?

5 Answer the following questions : (Any **Two**) **14**

(1) Describe in detail on chronic gastritis

(2) List the causes and symptoms of asthma

(3) Write a note on Biochemical role of Riboflavin and its deficiency disorders

(4) List the antihypertensive medications available for treatment of hypertension with their mode of action.
