

P. Pages : 2

Time : Three Hours



GUG/W/24/16134

Max. Marks : 80

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- Notes :
1. All questions are compulsory.
 2. Draw neat and labeled diagram wherever necessary.
 3. All questions carry equal marks.

- 1.** Discuss in detail composition of food and add a note on calorific value and physiological fuel value. **16**

OR

- a) Discuss in detail causes and symptom of Kwashiorkor. **8**
- b) Write a note on coronary disorder. **8**

- 2.** Give a detail account of diagnosis of SGOT, SGPT, amylase and LDH. **16**

OR

- a) Write in detail the safety measure in clinical laboratory. **8**
- b) Discuss in detail the collection, preparation, preservation of clinical sample. **8**

- 3.** Discuss in detail sickle cell anemia and thalassemia. **16**

OR

- a) Describe bilirubin metabolism and add a note on jaundice. **8**
- b) Discuss any two liver function tests. **8**

- 4.** Describe two kidney function tests. **16**

OR

- a) Discuss in detail Ischemic heart disease. **8**
- b) Write a note on renal failure and proteinuria. **8**

5. Attempt **any eight** from following.

**8x2
=16**

- a) What is protein calorie malnutrition?
- b) Give two causes of obesity.
- c) What is biological value of food?
- d) Give normal blood creatinine value
- e) Give significance of alkaline phosphatase
- f) Give two function of albumin.
- g) Give normal values of erythrocytes and Platelets.
- h) Give two functions of plasma protein.
- i) Name two drugs which induce liver disease.
- j) Give the cause of hypertension.
- k) What is artificial kidney?
- l) Name the enzyme used to assess the myocardial infarction.
