

S.No. 7

12PBCED1/  
12PMBED1

(For the candidates admitted from 2012–2013 onwards)

P.G. DEGREE EXAMINATION, NOVEMBER 2017.

Second Semester

BIOCHEMISTRY IN HUMAN HEALTH

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Enumerate the functions of carbohydrates.  
Or  
(b) Explain fructose intolerance.
2. (a) Write a short note on amino Acids.  
Or  
(b) Elaborate on phenyl ketonuria.
3. (a) Give the biomedical importance of fats.  
Or  
(b) Mention the normal level of cholesterol in blood. Comment on the factors that are influences blood cholesterol level.



4. (a) "Vitamin - D is a hormone" - Justify.  
Or

(b) Describe vitamin A deficiency symptoms.

5. (a) Write the sources and disease states of potassium.

Or

(b) Give an account on calcium.

SECTION B - (5 × 10 = 50 marks)

Answer ALL questions.

6. (a) Write a detailed note on Diabetes Mellitus and its complications.

Or

(b) Give an account on followings

(i) Mucopolysaccharidoses

(ii) Lactose intolerance.

7. (a) Write an essay on quality of protein.

Or

(b) Discuss protein energy malnutrition in detail.

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8. (a) Give a detailed account on atherosclerosis.  
Or

(b) Describe the role of lipoproteins in human body.

9. (a) Name the B-complex vitamins. Discuss their functions in detail.

Or

(b) Explain the functions and deficiency disorders of Vitamin - C.

10. (a) Describe the sources, functions and disorders of sodium.

Or

(b) What are micro minerals? Comment on their deficiency disorders.

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