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K19U 2041



Reg. No. :

Name :

V Semester B.A./B.Sc./B.Com./B.B.A/B.B.A.T.T.M./B.B.A.R.T.M./B.B.M./
B.T.T.M./B.C.A./BBA (AH) B.S.W./B.A.Afsal UI Ulama

Degree (CBCSS- Reg./Sup./Imp.) Examination, November-2019

(2014 Admn. Onwards)

OPEN COURSE

5D01BCH: NUTRITIONAL BIOCHEMISTRY

Time : 2 Hours

Max. Marks : 20

SECTION - A

Accn. No.

Answer **All** the questions. Each carries **one** mark.

(5×1=5)

1. Differentiate between micro and macro nutrients.
2. What is respiratory quotient?
3. What is the major type of dietary polysaccharide? Identify two rich sources.
4. What are essential fatty acids? Give one example.
5. What is amino acid imbalance in diet?

SECTION - B

Answer any **three** questions. Each carries **two** marks.

(3×2=6)

6. What are non-starch polysaccharides? What is their biological significance?
7. Why are some amino acids conditionally essential?
8. What are the biological functions of dietary carbohydrates?
9. What are the special dietary allowances suggested for lactating mothers?
10. What is hypertension? What are the lifestyle modifications recommended?

P.T.O.

**SECTION - C**

Answer any **three** questions. Each carries **three** marks. **(3×3=9)**

11. What is Basal Metabolic Rate (BMR)? Discuss the various factors affecting BMR.
 12. Give a detailed account on the utilization and functions of dietary lipids.
 13. What is a complete protein diet? Why are some diets referred to as amino acid incomplete?
 14. Give a detailed account on protein energy malnutrition diseases.
 15. What is diabetes mellitus? Discuss its cause and dietary management.
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