

IV. Match the following:

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| 16. Citrus fruits | (A) Glyceraldehyde |
| 17. Triose | (B) Insulin |
| 18. Blood pressure | (C) National Institute of Nutrition |
| 19. Frederick Sanger | (D) Vitamin-C |
| 20. Robert McCarrison | (E) Sodium |

SECTION – B**(5 x 8 = 40)****Answer any FIVE questions:**

21. Explain the interrelationship between nutrition and health.
22. (a) Describe the determination of BMR. (5)
(b) Write the advantages of Artificial sweetening agent. (3)
23. Explain the sources, chemical classification and functions of lipids.
24. Explain the sources, functions and deficiency of Iron and Phosphorous mineral.
25. Discuss the functions and deficiency of Ascorbic acid and Folic acid.
26. Write note on the following terms:
(a) Protein Energy Malnutrition
(b) Marasmus and Kwashiorkor diseases.
27. Explain the methods used in nutrition education.

SECTION – C**(2 x 20 = 40)****Answer any TWO questions:**

28. (a) Describe the factors affecting, general principles and determination of RDA (12)
(b) Write note on the functions of carbohydrates (8)
29. (a) Write note on the following terms:
(i) Vitamin-K, (ii) Vitamin B₁₂ (iii) Thiamine (iv) Riboflavin (16)
(b) Explain the classification of vitamins (4)
30. (a) Describe the sources, classification, functions and recommended dietary allowances of proteins. (10)
(b) Discuss the role of world health organization (WHO) and Indian Council of Agricultural Research (ICAR) (10).
