

**Nutrition [Minor]
[NEP]**

B.Sc. First Semester End Examination-2024

(Regular & Supplementary Paper)

PAPER-NUT MI-101T

[Basic Nutrition & Nutritional Physiology]

Full Marks: 40

Time: 02 Hrs.

The figures in the right hand margin indicate marks

*Candidates are required to give their answers in their own words as
far as practicable*

Illustrate the answers wherever necessary

Group A

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|---|----------------|
| 1) Answer any FIVE questions of the following: | 5x2= 10 |
| a. What is optimal nutrition? | 2 |
| b. Define nutrition security. | 2 |
| c. What is biofortification? | 2 |
| d. Define RDA. | 2 |
| e. Define 'Health' as per the WHO. | 2 |
| f. What is balance diet? | 2 |
| g. Write any two function of sodium. | 2 |
| h. What do you mean by protein sparing nutrient? | 2 |

Group B**2. Answer any FOUR questions of the following: 4x5 = 20**

- a) Write the function of carbohydrate protein and fat. 2+1½ +1½
- b) Write the structure of nephron. 5
- c) What is GFR? Write the composition of Urine? Write the function of Urinary bladder. 2+1½ +1½
- d) What is mal nutrition? Write the difference between marasmus and kwashiorkor. 2+3
- e) What are major blood groups? Write the function of RBC. 2+3
- f) Define the 'Reference man and Reference woman'. 2 ½+2 ½

Group C**3. Answer any ONE question of the following: 1x10 = 10**

- a) Write the difference between prokaryotic and eukaryotic cells.
Describe spermatogenesis?
Why SDA of protein is fish? 4+4+2
- b) Write the general dietary guidelines for Indians.
Write the function of vitamin C and B₁₂. 5+2½ +2½
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