

Total No. of Printed Pages – 2

SS/BSN-1/NB/03-18

2 0 1 8

(March)

NUTRITION & BIOCHEMISTRY

Full Marks : 75

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer **all** questions

FIRST HALF

1. Write in brief : 2×5=10
 - (a) Malnutrition.
 - (b) Vitamin C
 - (c) Functions of food.
 - (d) Daily requirement of protein for a pregnant and lactating mother.
 - (e) Nutritional status.

2. Write short notes on (*any four*) 4×5=20
 - (a) Rickets.
 - (b) Functions of carbohydrates.
 - (c) Fluorosis.
 - (d) ICDS.
 - (e) Nutritional survey.
 - (f) PEM.

(Turn Over)

(2)

3. Name the Macro minerals. Write down the source, functions and effects of deficiency of calcium in the body.
2+2+5+6=15

SECOND HALF

4. Define Carbohydrate. Classify carbohydrates with an example of each class. What is invert sugar? 2+3+5=10
5. Write short notes on (*any three*) 3×5=15
- (a) Facilitated diffusion.
 - (b) Transamination.
 - (c) Co- enzyme.
 - (d) Fluid Mosaic structure of membrane.
 - (e) Diagnostic criteria for Diabetes mellitus.
 - (f) ELISA.
6. Fill in the blanks : 1×5 = 5
- (a) The relationship between pH, p Ka concentration of acid and conjugate base (or salt) is expressed by the _____ equation.
 - (b) _____ is purely ketogenic amino acid.
 - (c) There are _____ Triplet codes in m RNA.
 - (d) The innermost part of Glycogen contains a primer protein named _____.
 - (e) The inner membrane of mitochondria convolutes into folds called _____.

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