

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023
(Second Semester)

Branch – NUTRITION , FOOD SERVICE MANAGEMENT & DIETETICS

PRINCIPLES OF NUTRITION

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 BMR is _____
(i) Body Metabolic Rate (ii) Body Mass Index
(iii) Basal Metabolic Rate (iv) Body Mass Rate
- 2 Which is Simple Sugar?
(i) Glycogen (ii) Glucose
(iii) Albumin (iv) Fibre
- 3 Deficiency of PEM causes _____
(i) Beri Beri (ii) Obesity
(iii) Malnutrition (iv) Pellagra
- 4 Vitamin -C is Also Called _____
(i) Pathonic Acid (ii) Ascorbic Acid
(iii) Marmalic Acid (iv) Retinol
- 5 Osteoporosis is Caused due to deficiency of _____
(i) calcium (ii) Phosphorous
(iii) Iron (iv) Folic acid

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a) Explain about Malnutrition.
OR
b) List the factors affecting BMR.
- 7 a) How will you Classify Carbohydrates?
OR
b) Write the role of Dietary fibre in health.
- 8 a) Narrate the Functions of Proteins
OR
b) Explain the types of Lipids.
- 9 a) Summarize the Uses of Vitamin-A
OR
b) Write note on Ascorbic Acid.

Cont...

10 a) Narrate the functions of Calcium.

OR

b) Enumerate on Iron.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

11 a) Enumerate about bomb Calorimeter.

OR

b) Explain on BMR.

12 a) Discuss on Functions & Sources of Carbohydrates.

OR

b) Justify the role of Water in human body with its Functions.

13 a) Classify Proteins With Illustrations

OR

b) Justify the functions of lipids in human body.

14 a) Elucidate on Fat Soluble Vitamins.

OR

b) Classify Water Soluble Vitamins.

15 a) Explain about Importance of minerals in human body.

OR

b) Justify the uses of Trace Elements.

Z-Z-Z

END