

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018  
(Second Semester)

Branch –FOODS AND NUTRITION

NUTRITION RESEARCH METHODS

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 6 = 30)

- 1 a Differentiate cross sectional and case control studies.  
OR  
b Describe principles of Ethical research.
- 2 a Explain the technique of evaluation of PER.  
OR  
b What is 'TSH assay'?
- 3 a Outline uses of food composition data.  
OR  
b Explain method of evaluation of fat content in liquid samples.
- 4 a Highlight components of Growth chart.  
OR  
b What is BMI? Give its interpretation.
- 5 a Discuss methods of skeletal age assessment.  
OR  
b What are the factors influencing calcium absorption?

SECTION -B (45 Marks)

Answer any THREE questions

ALL questions carry EQUAL Marks (3 x 15 = 45)

- 6 Evaluate the criteria for selecting experimental animals.
- 7 Highlight uses of stable isotopes in nutrient assessment and metabolism.
- 8 Illustrate the steps of food sampling plan and explain precautions to be considered during food sampling.
- 9 Discuss types, merits and limitations of vital surveys.
- 10 What is 'Anthropometry'? Enumerate role of instruments in anthropometry.