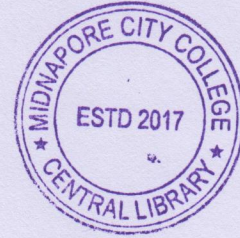


**PG (NEW) CBCS**  
**M.Sc. Semester-I Examination, 2018**  
**FOOD SCIENCE & NUTRITION**  
 PAPER: FSN-101  
 (BASIC NUTRITION AND HEALTH)



Full Marks: 40

Time: 2 Hours

- 1. Answer any four of the following questions: 2×4=8**
- a. Why extra nutrients are needed during Pregnancy?
  - b. Mention the role of calcium in Pregnancy.
  - c. Mention the role of estrogen in lactation.
  - d. Define IUGR.
  - e. Define antioxidant with suitable example.
  - f. What are the National agencies involved in NSS?
  - g. What do you mean by nutrition policy?
  - h. Why potassium iodate ( $KIO_3$ ) is preferred than potassium iodide (KI) in fortification of edible salt.
- 2. Answer any four of the following questions: 4×4=16**
- a) Discuss about the immunological benefits of breast milk. 4
  - b) i) What is infant milk substitute. 4  
 ii) Discuss in brief about formula feeding to infant. 1+3=4
  - c) i) What are the different stages of lactation 4  
 ii) What is galactogen? Give any one example. 3+1=4
  - d) i) Why type-2 diabetes is common in geriatric persons? 4  
 ii) What do you mean by Oxidative stress? 3+1=4
  - e) i) What do you mean by monitoring and evaluation of nutritional programme? 4  
 ii) Mention the major criteria for correct evaluation programme. 2+2=4
  - f) i) Write the steps adopted for NSS. 4  
 ii) State the objective of "Food for Work". 3+1=4
  - g) i) State the role of polyphenols in prevention of oxidative stress. 4  
 ii) State the role of essential fatty acids in infancy. 2+2=4
  - h) i) State the levels of Iodine, to be present at preparatory level and consumption level. 4  
 ii) What are the steps adopted for successful implementation of NIDDCP? 4
- 3. Answer any two of the following questions: 8×2=16**
- a) i) What are iodine deficiency disorders (IDDS)? 4  
 ii) Write the requirement of iodine per day in different age groups. 4  
 iii) What is goiter? 3+3+2=8
  - b) i) Write the importance of RUTF for the management of SAM children. 4  
 ii) 'Oxidative stress is related to many chronic diseases'- Justify the statement. 4  
 iii) Why hypertension is more frequent in geriatric persons? 2+3+3=8
  - c) i) What is the current name of NGCP? 4  
 ii) How and when goiter develops? 4  
 iii) Why common salt has been selected for iodine fortification. 4  
 iv) Why iodine is deficient in the flood prone area? 1+2+3+2=8
  - d) i) Write steps adopted in diet survey. 4  
 ii) What are the objectives of ICDS? 5+3=8

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