

SARDAR PATEL UNIVERSITY  
M.Sc. (Home Science) III Semester (FN) (CBCS Old)  
External Theory Examination  
Date: 7/12/2012, Friday  
2.30 p.m to 5.30 p.m  
PH03EFDN03: Community Nutrition

Total Marks: 70  
(8)

**Q.1 Choose the correct answer from the given options:**

- (A) Craniotabes is ...  
(i) Softening of brain  
(ii) Softening of muscles  
(iii) Softening of skull  
(iv) None of the above
- (B) Schilling test is used to detect deficiency of ...  
(i) Vitamin B<sub>1</sub>  
(ii) Vitamin B<sub>2</sub>  
(iii) Vitamin B<sub>12</sub>  
(iv) Vitamin C
- (C) Weight for age determines  
(i) Stunting  
(ii) Wasting  
(iii) Underweight  
(iv) None of the above
- (D) Full form of ICDS is  
(i) Integrated Child Development Scheme  
(ii) Integrated Child Development Service  
(iii) International Child Development Scheme  
(iv) None of the above
- (E) Petechiae occurs in the deficiency of  
(i) Vitamin A  
(ii) Vitamin D  
(iii) Vitamin C  
(iv) Vitamin K
- (F) Killing power of any disease is indicated by  
(i) Crude Death Rate  
(ii) Case Fatality Rate  
(iii) Morbidity Rate  
(iv) Specific Death Rate
- (G) Grouping of households in homogenous classes is  
(i) Unrestricted random sampling  
(ii) Restricted random sampling  
(iii) Stratified random sampling  
(iv) None of the above

(P.T.O)

(H) Pallor of the skin is seen in the deficiency of

- (i) Iodine
- (ii) Iron
- (iii) Calcium
- (iv) Flourine
- (v)

**Q-II Answer in brief (Any seven)**

(14)

- (a) What is Food inventory method of diet survey?
- (b) What is maternal mortality rate?
- (c) What is "Gomez classification".
- (d) Explain the biochemical tests used to detect Vitamin K deficiency.
- (e) What is vital statistics?
- (f) What is nutritional anthropometry?
- (g) Explain systemic random sampling method of dietary survey.
- (h) What is malnutrition?

**Q.III Explain- (any three)**

(12)

- (a) Any three intrinsic factors of malnutrition
- (b) Causes of infant mortality
- (c) Morbidity rate
- (d) Causes of maternal mortality
- (e) Crude Death Rate and Specific Death Rate

**Q.IV Answer the following -**

(12)

- (a) What is dietary survey? Write its importance
- (b) Explain any two methods of dietary survey.

**OR**

- (a) Explain any one national agency working in the field of nutrition.
- (b) Explain the activities of WHO.

**Q-V Answer in brief (Any two)**

(12)

- (a) Explain the clinical signs observed in vitamin A deficiency.
- (b) Explain the biochemical tests used to detect deficiency of iron.
- (c) Write in brief about radiological examination to detect nutrient deficiency.
- (d) Explain the clinical signs observed on hair in various nutrient deficiency.

**Q.VI Write short notes (any three)**

(12)

- (a) Biochemical tests to detect niacin deficiency
- (b) MUAC
- (c) PEM
- (d) Clinical signs observed vitamin D deficiency
- (e) Changes on skin in nutrient deficiency
- (f) Methods to take weight of children

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