

B.Sc. FNS (NEP) Sem.-3 Examination

DSC-C-232T

Nutritional Epidemiology & PHN

December-2025

Time : 2-00 Hours]

[Max. Marks : 50

Question 1 Write the following

- (i) Enlist the types of important Vital statistics? Explain neonatal mortality rate (5 Marks)
(NMR) and general fertility rate (GFR).
- (ii) Explain physical dimension of wellness in detail. (5 Marks)

OR

- (i) Write a note on life expectancy. (5 Marks)
- (ii) Write a note on difference between a healthy and a disease free person. (5 Marks)

Question 2 Write the following

- (i) What is malnutrition? Explain the etiological factors in detail. (5 Marks)
- (ii) Describe the physiological changes takes place in kwashiorkor. (5 Marks)

OR

- (i) Explain the ocular complications of vitamin A deficiency. (5 Marks)
- (ii) Explain IDD in detail. (5 Marks)

Question 3 Write the following

- (i) Explain techniques of measuring height in detail? (5 Marks)
- (ii) Explain head circumference, chest circumference and mid upper arm (5 Marks)
circumference in detail?

OR

- (i) Define Nutritional Surveillance and Nutritional Anthropometry. Explain (5 Marks)
needs and importance of it?
- (ii) Explain Nutritional Surveillance in brief? (5 Marks)

Question 4 Write the following

- (i) Describe the ICDS programme in detail. (5 Marks)
- (ii) Why NIDDCP is a success story in India. (5 Marks)

OR

- (i) Explain anaemia prophylaxis programme in detail. (5 Marks)
- (ii) Explain vitamin A prophylaxis programme in detail. (5 Marks)

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Question 5 Attempt any ten out of fifteen

(10 Marks)

- (i) Define disease free person.
- (ii) Define secondary data. Why do we collect secondary data?
- (iii) Write full form of FGM.
- (iv) Write full form of NFHS.
- (v) SANIMAS program is celebrated in which country?
- (vi) Explain Salter scale?
- (vii) Draw scale to measure mid upper arm circumference and also indicates its colour?
- (viii) What are Z-Scores? Give examples?
- (ix) Explain Microcephaly and Macrocephaly?
- (x) Explain Salter scale?
- (xi) Explain Cretinism.
- (xii) Define Goitre.
- (xiii) What is Bitot's Spots?
- (xiv) Explain the visual cycle.
- (xv) MCV and MCH

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