

**Avinashilingam Institute for Home Science and Higher Education for Women  
Coimbatore – 641 043  
Bachelor's Degree Examination – November 2017**

**V Semester**

**Class : III UG**

**Major : Food Science and Nutrition**

**Time : 3 Hours**

**Max. Marks : 100**

**15BFNC15 Assessment of Nutritional Status**

**Part – A**

**10 x 1 = 10**

**Choose the Correct Answer**

1. ----- is considered an on index of chronic or long duration malnutrition.  
a. Height  
b. weight  
c. Head circumference  
d. chest circumference
2. A waist hip ratio of ----- in women is indicative of obesity.  
a. 1.2  
b. 1.0  
c. 0.8  
d. 0.6
3. Koilonychia is a symptom of ----- deficiency.  
a. iron  
b. folic acid  
c. thiamine  
d. riboflavin
4. Pallour of the skin is caused due to ----- deficiency.  
a. Iron  
b. folate  
c. vitamin B12  
d. all the above
5. In ----- there is ground glass appearance of long bones with loss of density.  
a. beri beri  
b. infantile scurvy  
c. anaemia  
d. none of the above
6. The normal value for serum albumin is ----- g/dl.  
a. 10.2 – 12.6  
b. 8.3 – 9.5  
c. 4.6 – 7.2  
d. 2.8 – 3.5
7. The number of babies dying in the first year of life per 1000 live births is called as ----- mortality rate.  
a. maternal  
b. toddler  
c. perinatal  
d. infant
8. Head circumference at birth is ----- cm.  
a. 35  
b. 40  
c. 45  
d. 50
9. This is a symptom of riboflavin deficiency.  
a. angular stomatitis  
b. cheilosis  
c. conjunctival inflammation  
d. all the above
10. Decreased taste or smell is caused due to ----- deficiency.  
a. copper  
b. zinc  
c. iron  
d. biotin

**Part – B**

**5 x 6 = 30**

**Answer the following**

**Answer should not exceed 400 words or two pages**

- 11.a. What are the advantages of using antropometric measurements?  
(Or)
- 11.b. Write on the biochemical tests used for diagnosing folic acid deficiency.
- 12.a. Explain the different types of tests used for assessment of nutrition status.  
(Or)
- 12.b. How will you interpret biochemical tests?
- 13.a. What are the problems in dietary assessment?  
(Or)
- 13.b. How will you assess and interpret dietary assessment?
- 14.a. How will you assess thiamine deficiency using clinical assessment?  
(Or)
- 14.b. How will you assess niacin deficiency using clinical assessment?
- 15.a. Explain functional assessment.  
(Or)
- 15.b. Explain biophysical assessment.

**Part – C**

**5 x 12 = 60**

**Answer the following**

**Answer should not exceed 800 words or four pages**

- 16.a. What biochemical tests are used to assess PEM?  
(Or)
- 16.b. How will you assess the iron nutritional status of an adolescent community?
- 17.a. Explain the different dietary method used to know the nutritional status of a community.  
(Or)
- 17.b. Which biochemical tests are used to assess the fat soluble vitamins nutrition status.
- 18.a. Discuss on vital statistics.  
(Or)
- 18.b. Explain the principles of planning executing, nutritional assessment and interpretation of data in a community.
- 19.a. Explain longitudinal survey and cross sectional survey.  
(Or)
- 19.b. How will you assess vitamin c deficiency using different clinical and biochemical methods?
- 20.a. Explain the anthropometric methods used to assess PEM.  
(Or)
- 20.b. How will you evaluate nutritional status of a preschool child?

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