

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
B.Sc. Winter 2017-18 Examination

Semester: 1
Subject Code: 11109103
Subject Name: Nutritional status assessment-1

Date: 12/12/2018
Time: 10:30 AM to 1:00 PM
Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1. A) Essay type (4x2) (Each of 04 marks) (08)**
 (a) Explain qualitative methods and its importance
 (b) Explain the steps for measuring weight
- Q.1. B) Answer the following questions (Any two) (04)**
 (a) Do as directed (2x2) (Each of 02 marks)
 1. What is BMI?
 2. Explain Height for age
 (b) Short note: Emic and etic views (04)
 (c) Short note: Body composition (04)
- Q.2. A) Answer the following questions. (04)**
 (a) Brief note (2x2) (Each of 02 marks)
 1. Normal BMI cut offs
 2. Cut off for SAM
 (b) Short note: clinical sign and symptoms of Iodine deficiency. (04)
- Q.2. B) Answer the following questions (Any two) (03)**
 (a) Multiple choice questions. (Each of 01 marks)
 1. Cut off for SAM ?
 a) $MUAC \leq 11.5$
 b) Low weight for height (≤ -3 SD)
 c) Presence or absence of oedema
 d) All of the above
 2. Which of the following weighing scale is used for infants?
 a) Bathroom scale
 b) Salter scale
 c) Infant weighing scale
 d) 2 and 3 both
 3. Which of the following is an indicator of long term nutritional status?
 a) Dietary assessment
 b) Weight assessment
 c) Height assessment
 d) MUAC
 (b) Short note: PEM (03)
 (c) Short note: Write the biochemical indicators of iron status (03)
- Q.3. A) Essay type (4x2) (Each of 04 marks) (08)**
 (a) Explain steps for measuring height.
 (b) Socio – economic data
- Q.3. B) Answer the following questions (Any two) (04)**
 (a) Brief note (2x2) (2x2) (Each of 02 marks)
 1. Any one clinical symptoms of Iron deficiency
 2. What is the meaning of yellow colour in MUAC tape?
 (b) Short note: Importance of field work (04)
 (c) Short note: Explain two types of note taking (04)

Q.4. A) Answer the following questions.

(a) Brief note (2x2) (Each of 02 marks)

(04)

1. Name four direct methods to assess nutritional status
2. Two types of PEM

(b) Short note: Mortality assessment

(04)

Q.4. B) Answer the following questions (Any two)

(a) Multiple choice questions. (Each of 01 marks)

(03)

1. Which of the following is the first step during the weight assessment?

- a) Calibration using standard weight
- b) Pointer is adjusted to zero with the help of knob
- c) Child is placed on weighing scale with minimum cloth
- d) Read the reading displayed on weighing scale

2. Which of the following errors can be minimized by giving adequate training in the use of standardized valid techniques?

- a) Inter investigator variation
- b) Examiner/investigator error
- c) Instrumental error
- d) None of the above

3. In rural areas, how to assess the age of a child?

- a) Important events which have occurred in the place of living
- b) Important festivals
- c) Using English calendar
- d) A and B both

(b) Short note: Morbidity assessment

(03)

(c) Short note: 24-hour diet recall

(03)