

Rani Rashmoni Green University

M.Sc.3rd Semester Examination, 2025

Subject: NUTRITION AND PUBLIC HEALTH

Course code: GNPHT- 32 (Unit 1: Anthropometry; Unit 2: Biochemical assessment of nutritional status)

Time: 2hrs

FM=40

1. Answer any four out of six questions from the followings:

4×2 =8

- Define Nutritional status and Nutritional Assessment.
- What do you mean by SDA?
- What is cleft Palate?
- Write about the clinical features of kwashiorkor.
- What is MUAC? How could you identify undernutrition using this?
- Write about the characteristics of peripheral blood smears of normocytic hypochromic and microcytic hypochromic anaemia.

2. Answer any four out of six questions from the following:

4×4=16

- Write down the importance of measuring nutritional status. What are the indirect assessment techniques of measuring nutritional status? 2.5+1.5
- Explain the factors related to malnutrition. What is Z score? 2+2
- What is BIA? Explain any one method of measuring body water. 2+2
- Explain different techniques of hydrodensitometry.
- Elaborate the different components of energy expenditure.
- What is ADHD? Mention the symptoms of ASD. 1.5+2.5

3. Answer any two out of four questions from the following:

2×8=16

- Discuss about the effective management of SAM children.
- Discuss about different biochemical parameters of PEM.
- Explain the importance of measuring waist and hip circumferences and their ratios. Discuss the significance of measuring body weight and height? What are the different body sites of measuring skinfold thickness? How could you measure Mid-arm Muscle Circumference? 2+3+1.5+1.5
- What are the differences between BMR and RMR? Write about the factors affecting Resting Energy expenditure. What are the different components of body composition? Name some blood parameters used for detecting anaemia. 2.5+3+1+1.5