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**PG (NEW) CBCS**  
**M.Sc. Semester-II Examination, 2020**  
**NUTRITION & DIETETICS**  
**PAPER: NUD 201**  
**(Nutrition through Life cycle and Growth Development)**

**Full Marks: 20**

**Time: 1 Hours**

**Write the answer for each unit in separate sheet**

**NUD 201.1**

**Answer any one question from the following. (250 WORDS)**

1. Write the role of Iron, Calcium and Vitamin A for pre school children. How Vitamin A deficiency increases susceptibility to infection in preschool children? 6+4=10
2. Define PEN. How PEM can be prevented? Define catch up growth. 2+6+2=10
3. Write the role of F 75 and F 100 solution for treatment of malnutrition in children. What is malted gruel? 8+2=10
4. What are the different stages of lactation? Discuss the hormonal regulation of lactation. 5+5=10
5. Define oxidative stress. Mention the role of functional foods in adults diet. 2+8=10

**NUD 201.2**

**Answer any one question from the following. (250 WORDS)**

1. Define hyperplasia and hypertrophy with example? What do you mean by development? What do you mean by implantation? 6+2+2
2. Describe about different growth spurt? Describe about the factors that influence the physical growth of children? 5+5
3. What do you mean by prenatal growth and describe about different stages of prenatal growth? Describe about different sensors of growth for intrauterine baby? 6+4
4. What do you mean by low birth weight and exclusively low birth weight? Describe about the energy requirement in the first phase of infant life? Describe different nutritional factors that regulate infantile growth? 2+3+5
5. Describe briefly about reproductive growth and development? 10

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