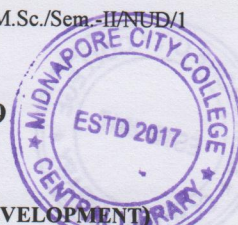


PG (NEW) CBCS
M.Sc. Semester-II Examination, 2019
NUTRITION AND DIETETICS
PAPER: NUD-201

(NUTRITION THROUGH LIFE CYCLE AND GROWTH DEVELOPMENT)

Full Marks: 40

Time: 2 Hours



Use separate Answer-scripts for each unit

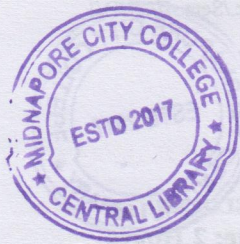
UNIT- 13

Nutrition through Life Cycle

Marks-20

1. Answer any two questions of the following: $2 \times 2 = 4$
 - a) What do you mean by exclusive breast feeding.
 - b) How much extra energy and protein are required during pregnancy.
 - c) Write the role of lactoferrin in infancy.
 - d) Why is osteoporosis common in post-menopausal women
2. Answer any two questions of the following: $4 \times 2 = 8$
 - a) I) Write the importance of weaning in late infancy.
II) Describe the hormonal regulation of lactation.
 - b) I) Write the physiological changes notes during pregnancy.
II) Write the role of essential fatty acid in infancy.
 - c) I) Write the anti inflammatory effect of omega 3 fatty acids.
II) Define functional foods.
 - d) I) Write the free radical induced gene mutation theory of aging.
3. Answer any one question of the following: $8 \times 1 = 8$
 - a) I) What do you mean by packed lunch programme ?
II) Write the significance of packed lunch programme.
III) What are the services provided in a ICDS centre ?
 - b) I) Write the role of antioxidants for maintaining good health in adult.
II) How vit A deficiency can be prevented in pre-school children ?
III) Write the immunological benefits of breast feeding.

(Turn over)



(2)

UNIT- 14

Growth and Development**Marks-20**

4. Answer any two questions of the following: $2 \times 2 = 4$

- What do you mean by hyperplasia.
- Write the difference between embryo and foetus.
- What do you mean by 'C-R' length,
- Devine VLBW and ELBW.

5. Answer any two questions of the following: $4 \times 2 = 8$

- "Teen pregnancy is known as double sided sword to the mother" _ Justify the statement.
- "Energy requirement of infant of first phase is 3.0 to 3.5 times more than the adult"- Justify the statement from the view point of growth and development.
- What do you mean by growth spurt ? Write difference between standard and reference value of growth assessment.
- Describe any four major nutritional factors regulations growth of infant.

6. Answer any one question of the following: $8 \times 1 = 8$

- Discuss the different stages of growth of the first phase of prenatal life in brief. Write the major causes of low birth weight baby.
- What do you mean by adolescent growth ? Write the nutritional factors resulting adolescence growth.
