

THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION, NOVEMBER 2021

Family and Community Science

FCS 3C 03—NUTRITION THROUGH LIFE CYCLE

(2019—2020 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A*Answer at least **eight** questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. _____ is the onset of copious milk secretion around parturition.
2. Amylase rich food is given for _____.
3. What is meant by lactose intolerance ?
4. Define the term Bifidus factor.
5. Onset of menstruation is _____.
6. What is the relevance of Recommended Dietary Allowances (RDA) ?
7. The substances that claim to enhance the performance of an athlete is known as _____.
8. Mid - day meal scheme was launched in the year _____.
9. _____ is the simplest way to increase the glycogen store in human body.
10. Give the RDA for calcium in a sedentary adult is _____.
11. Extreme, persistent nausea and vomiting during pregnancy is known as _____.
12. What is osteomalacia ?

(8 × 3 = 24 marks)

Section B (Short Answer Question)*Answer at least **five** questions.**Each question carries 5 marks.**All questions can be attended.**Overall Ceiling 25.*

13. What is the role of placenta in foetal nutrition ?
14. Write a short note on role of hormones in lactation.

Turn over

15. What is meant by a balanced diet ?
16. How can we prepare Amylase rich food for Infants ? What are its benefits ?
17. Why do children and adolescent require more food ?
18. Write a short note on goal and objectives of “National Goitre Control programme.”
19. “Anemia is a common nutritional problem of adolescents”. How can this be prevented ?

(5 × 5 = 25 marks)

Section C (Essay Questions)

*Answer any one question.
The question carries 11 marks.*

20. Explain about the National mid-day meal programme.
21. Describe the nutritional requirement of an athlete.

(1 × 11 = 11 marks)

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2021**

Family and Community Science

FCS 3B 03—RESEARCH METHODOLOGY AND BIOINFORMATICS

(2019—2020 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

*Answer at least **eight** questions.*

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 24.

1. Define Hypothesis.
2. What is pure research ?
3. List the purposes of exploratory studies.
4. What are the characteristics of survey research ?
5. What is Validity ?
6. What is Bioinformatics ?
7. What are the types of action research ?
8. Define cluster sampling.
9. Explain sampling error.
10. Define multistage sampling.
11. What is meant by quota sampling ?
12. Define Survey.

(8 × 3 = 24 marks)

Turn over

Section B

Answer at least five questions.

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 25.

13. Explain the characteristics of research.
14. Make an attempt to classify research.
15. Discuss the process of identification of a research problem.
16. What are sampling errors ? How do they arise ?
17. Discuss the merits and demerits of systematic random sampling.
18. Discuss the salient features of FASTA.
19. Differentiate between questionnaire and schedule.

(5 × 5 = 25 marks)

Section C

Answer any one question.

The question carries 11 marks.

20. Select a research problem and prepare a research design for its study.
21. Trace the application of bioinformatics in different areas of Home Science.

(1 × 11 = 11 marks)