

S.No. 2477

08 UCSA 07/12 UCSA 06

(For the candidates admitted from 2008–2009 onwards)

B.Sc. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2014.

Fourth Semester

Nutrition and Dietetics

Allied — PROGRAMMING IN C

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define "Constants".
2. Define "Operator".
3. What are the conditional statements?
4. Define array.
5. Define function.
6. What are the two categories of function?
7. Define structure.

8. Define union.

9. What are the five basic file operations?

10. What are the two arguments used in command line argument?

SECTION B — (5 × 5 = 25 marks)

Answer the following questions.

11. (a) Write short notes on data types.

Or

(b) Write short notes on formatted input and output.

12. (a) Explain about the switch statement.

Or

(b) Explain about one-dimensional array.

13. (a) Explain about declaration and initialization of string variable.

Or

(b) Write in detail about function calls.

2

S.No. 2477

14. (a) How to declare a structure variable? Explain with example.

Or

(b) Explain about arrays of structure.

15. (a) How to define and open a file?

Or

(b) Explain about random access to files.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE out of Five.

16. Explain about operators in C.

17. Explain in detail about looping statement.

18. Explain about string handling functions.

19. Write short notes on :

(a) Structures within structure

(b) Unions.

20. Explain about input and output operations in C.

3

S.No. 2477

S.No. 2399

12 UCSA 02

(For the candidates admitted from 2012-2013 onwards)

B.Sc. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2014.

Third Semester

Electronics and Communication

Allied — PROGRAMMING IN C

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What are the types of constants in C?
2. Draw the structure of 'C' language.
3. Differentiate WHILE and DO WHILE statements.
4. Give the structure of Switch statement.
5. Explain User-defined function.
6. Mention the syntax to read strings from terminal.

7. Write down the use of size of (.).

8. Declare the Union.

9. Define pointer to structure.

10. How do you open a file in C?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Develop a C Program to evaluate the following expression $x = a^2 + 2ab + b^2$.

Or

(b) Briefly explain Keywords, Identifiers.

12. (a) Declare one dimensional and two dimensional arrays with example.

Or

(b) Explain about GOTO and FOR statement.

13. (a) Write a note on function calls.

Or

(b) List return values and their types with suitable example.

2

S.No. 2399

14. (a) Give the layout of arrays within structure.

Or

(b) How do you copy and compare structure variable?

15. (a) Write a note on error handling during I/O operation.

Or

(b) Differentiate pointer to array and Array of pointers.

SECTION C — (3 × 10 = 30 marks)

Answer Any THREE out of Five.

16. Explain the tokens in detail.

17. Write a 'C' program to find whether the given number is odd or even using WHILE and DO WHILE statements.

18. Develop a 'C' program to find factorial of a number using functions.

19. Mention the difference between Structure and Union. Explain with example.

20. How do you access structure members? Give an example.

3

S.No. 2399