

2023
B.Tech
2nd Sem.

Department of Food Technology
School of Interdisciplinary Sciences and Technology
Jamia Hamdard, New Delhi-110062

End Sem Examination

September 2023, B.Tech 2nd Semester

Paper Title: Programming for Problem Solving, Paper code: BFTC-202

Time Allotted: 3Hrs

Max Marks:60

Note: Write to the point. write program wherever is necessary. Before answering make sure you have mentioned the Question No.

Section-A (Attempt All) (2 Marks Each)

- | | |
|--|---------|
| Q1. What is programming? Write any two key features of programming language? | Co1 (2) |
| Q2. What do you mean by Algorithms? In which fields we can use Algorithms? | Co1 (2) |
| Q3. Define Operating System? What are the different types of Operating System? | Co1 (2) |
| Q4. What are the difference between Syntax and logical Error? | Co1(2) |
| Q5. What do you mean by "Operator in C"? Explain? | Co2(2) |
| Q6. What is Conditional branching? Give a brief explanation? | Co2(2) |

Section-B (Attempt any 3) (6 Marks Each)

- | | |
|--|--------|
| Q7. What is an array? What are the advantages and types of C array. Explain? | Co3(6) |
| Q8. What is Fibonacci sequence? Explain it with the help of program? | Co4(6) |
| Q9. Write steps to solve the logical and Numerical Problem in detail? | Co1(6) |
| Q10. Define the following in brief: Co5(6) | |
| a) Structure | |
| b) Pointer | |
| c) Dereferencing a pointer | |

Section-C (Attempt any 2) (15 Marks Each)

- | | |
|---|---------|
| Q11. What is "Finding roots of the equation"? Explain with the help of a program? | Co3(15) |
| Q12. Define loops and type of loops with the help of a program? | Co2(15) |
| Q13. What are the differences between "Call by value" and "Call by reference"? Explain it with the help of program? | Co4(15) |