QP CODE: 24026902

24026902

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS, OCTOBER 2024

Third Semester

B.Sc Bioinformatics Model III

CORE COURSE - BI3CRT08 - INTRODUCTION TO PROGRAMMING IN C

2017 Admission Onwards

2ADD88F4

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Define Algorithm.
2. What is enumerated datatype?
3. What is mixed mode arithmatic?
4. How the ternary operator is advantageous over if else statement?
5. What is the importance of header files?
6. Explain the continue statement.
7. What is a control structures?
8. Differentiate gets() and getchar().
9. Define union.
10. What are the advantages of using pointers?
11. What is the use of return statement?
12. What is formal parameters?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Write an algorithm to find the biggest of two numbers.Also draw the flow chart.

14. Write a program to check whether the given integer is even or odd.

15. Differentiate Keywords and Identifiers.

16. Explain the syntax of if else statement with example.

17. Write a program to perform arithematic operations using switch statement.

18. Compare for and while loop.

19. Write a program to add two matrices.

20. Explain the compile time initialisation of a structure.

21. Write a program to find the factorial of a number using recursion.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain the C tokens.

23. Explain the goto statement with suitable example.

24. Explain storage classes.

25. Explain the category of functions.

(2×15=30)