

(NO. OF PAGES: 2)

(FOR THE CANDIDATES ADMITTED

24UIT101

DURING THE ACADEMIC YEAR 2024 – 2027 ONLY)

REG.NO.

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS: NOV - 2024

B.Sc IT

MAXIMUM MARKS: 75

SEMESTER: I

TIME: 3 HOURS

PART - III

24UIT101– PROGRAMMING IN 'C'

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.(K1)

1. The C program should be written only in

- a) lower case b) upper case c) title case d) sentence case

2. The escape sequence '\t' is a

- a) tab b) next line c) backspace d) none of the above

3. An array is a collection of

- a) different data type b) same data type c) both (a) and (b) d) none of these

4. Function which calls itself is called

- a) Recursive b) main () c) reference d) value

5. The EOF is Equivalent to

- a) 1 b) 0 c) -1 d) none of the above

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. List out any five C keywords.

7. What is loop?

8. Define Pointers.

9. What is union in C?

10. Illustrate preprocessor directives.

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Discover the structure of C program.

(OR)

b) Elaborate on C Keywords.

12. a) Examine the formatted input and output functions.

(OR)

b) Discuss the syntax and structure of while loop in C Language.

(CON..2)

13. a) Explain multi-dimensional array.
(OR)
b) Discover the features of pointers.
14. a) What is recursion? Explain its advantages.
(OR)
b) Explain enumerated data types.
15. a) What is the use of fseek() ? Explain its syntax.
(OR)
b) Compare between printf and fprintf functions.

SECTION – C

(5 X 8 = 40 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.(K4/K5)

16. a) Explain about data types in C.
(OR)
b) Discuss different types of operators in C.
17. a) Discuss 'If' Statement in C with an example.
(OR)
b) Write a C program using the concept of for loop.
18. a) Summarize the string standard functions with example.
(OR)
b) Explain about array of pointers.
19. a) Discuss in detail call by values.
(OR)
b) Explain briefly about structure and unions.
20. a) Enumerate the file operations.
(OR)
b) Give a detail account on predefine macros.

24UIT101