



Library
Brainware University
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BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – Dip.CE-2024/Dip.CSE-2024/Dip.EE-2024/Dip.ME-2024/Dip.RA-2024

Course Name – Computer Programming

Course Code - DES00004

(Semester II)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Identify the input unit
 - a) Key board
 - b) Speaker
 - c) Monitor
 - d) Printer
- (ii) Select the correct option: a pointer value refers to
 - a) A float value
 - b) An integer constant
 - c) Any valid address in memory
 - d) None
- (iii) Select the result of logical or relational expression in C from the following
 - a) True or False
 - b) 0 or 1
 - c) 0 if an expression is false and any positive number if an expression is true
 - d) None of the mentioned
- (iv) Choose the correct option in C where the order of precedence of operators do not exist
 - a) Within conditional statements, if, else
 - b) Within while, do-while
 - c) Within a macro definition
 - d) None of the mentioned
- (v) Choose from the following option to show the byte in sizeof(char) in a 32-bit C compiler
 - a) 1 bit
 - b) 2 bits
 - c) 1 Byte
 - d) 2 Bytes
- (vi) Define NULL pointer in C.
 - a) A pointer that points to the number 0
 - b) A pointer that has an invalid address
 - c) A special pointer value representing an empty or uninitialized pointer
 - d) A pointer to a void type

7. Explain call by reference in C programming with example. (5)
8. Write a C program to get the size of a structure variable. (5)
9. Write a program to assign a structure variable to another structure variable. (5)
10. Analyze different loops with example (5)
11. Explain the conditional branching is implemented in C using if, else if, and else statements. (5)
Provide an example.
12. Write a C program to check if a number is prime using iteration. (5)

OR

Write a C program to find the sum of the first 10 natural numbers using a for loop and explain (5)
the working style of loop
