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SUBJECT CODE NO: - Y-2104
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. F. Y (Sem-II)
Examination March / April - 2023
Computer Science Paper-V CS05 Programming in C

[Time: 1:30 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

N. B

1) Attempt all questions.

- Q1 a) What is an operator? Explain arithmetic and logical operators of C language. 10
- b) Write a program in c convert the given temperature in Fahrenheit to Celsius using the formula $C = \frac{F-32}{1.8}$ 10

OR

- c) Write down the structure of C program with suitable example. 10
- d) Write a program in C that print odd numbers from 1 to 100. 10
- Q2 a) Define Array. Explain 1 Dimensional and 2 Dimensional array with memory representation. 10
- b) Write a program in C to check given number is prime or not using function. 10

OR

Write short notes on (any four) 20

1. Constants
2. Increment and decrement operators
3. Nesting of if else statements
4. Actual and formal arguments
5. Variables
6. Keywords

- Q3 Multiple choice questions. 10

1. Father of C is

 - a) Dennis Ritchie
 - b) Steve Job
 - c) Martin Richard
 - d) James Ritchie

2. is/are valid variables in c language.
a) Average b) Total_val c) int_number d) All of the above
3. is not a derived data types in C.?
a) Array b) Pointer c) Char d) function
4. Used scanf format codes to along double type data reading.
a) % d b) % c c) % Lf d) None
5. string function return length of string.
a) strcat() b) strlen() c) length() d) None
6. Conditional operator required Operands
a) Three b) two c) One d) Zero
7. C supports as many as Relational operators.
a) Six b) Two c) Three d) Five
8. The for loop is Controlled loop.
a) Exit b) Entry c) a & b d) None of the above
9. The maximum number of dimension an array can have in c is
a) 3 b) 4 c) compiler dependant d) 10
10. Which is valid C expression?
a) int my_num = 100,00;
b) int my_num = 10000;
c) int my_num = 10000;
d) int \$my_num = 100000;