

- Q.31 Write a short note on Matlab. PLCs.
- Q.32 Differentiate between break and continue statement.
- Q.33 What is meant by switch case. What is its purpose.
- Q.34 Write the differences between data types and information.
- Q.35 Write a short note on following:
a. Field b. Record c. Table

SECTION-D

- Note:** Long Answer type question. Attempt any two questions. (2x10=20)
- Q.36 Write a program in C to find the smallest of three numbers.
- Q.37 What are loop constructs. Discuss various loop constructs used in C with example.
- Q.38 What is the need of information storage and retrieval.

No. of Printed Pages : 4
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121543/31043

4th Sem / **Branch : I & C**
Subject : Comp. Prog. & Applications

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory. (10x1=10)

- Q.1 Each statement in a C program should end with?
a) Semicolon; b) Colon :
c) Period. (Dot symbol) d) None of the above
- Q.2 Which of these is NOT a relational or logical operator?
a) = b) ||
c) == d) !=
- Q.3 Find an integer constant
a) 3.145 b) 34
c) "125" d) None of the above
- Q.4 Which one is the type of operator used in C language
a) Logical operator b) Increment operator
c) Relational operator d) All of above
- Q.5 Number of Keywords present in C language are.
a) 32 b) 34
c) 62 d) 64

- Q.6 Find the correct C keyword below
a) work b) case
c) breaker d) permanent
- Q.7 C program is a combination of?
a) Statements b) Functions
c) Variables d) All of the above
- Q.8 Which one of the following is a loop construct that will always be executed once?
a) for b) while
c) switch d) do while
- Q.9 We cannot use the keyword 'break' simply within_____
a) while b) for
c) if-else d) do-while
- Q.10 C is which level language?
a) Low level b) High level
c) Low + High d) None

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 What is meant by function prototype.
- Q.12 Write down the difference between & and * operator.
- Q.13 Name the loop that executes at least once.
- Q.14 Differentiate between break and exit.

- Q.15 Name any one relational operator.
- Q.16 Write one example of arithmetic operator.
- Q.17 An entire array is always passed by_____ to a called function.
- Q.18 How variable is different from constant.
- Q.19 What is the difference between operator and operand.
- Q.20 Expand PLC.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Differentiate between actual and formal arguments.
- Q.22 What is the purpose of putchar function.
- Q.23 Discuss the concept of nesting of loop with an example.
- Q.24 Define function. Mention its uses while writing a program.
- Q.25 Write a short note on call by value.
- Q.26 How does a structure differ from an array.
- Q.27 How function declaration is different from function definition.
- Q.28 Describe with example the Nested-if statement.
- Q.29 Write a program to find factorial of numbers.
- Q.30 What is meant by single dimensional array? How is it declared and initialized.