



B.Sc. (Electronics) SEMESTER VI

Paper I

(Programming In ‘C’)

Unit I

History of C, Character set, C tokens, Constant, Variables, Keyword, Identifiers, C-operators, C-expressions, formatted input, formatted output instruction (simple program based on C)

https://www.youtube.com/watch?v=7Dh73z3icd8&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=1

https://www.youtube.com/watch?v=Wa-kgmSLls4&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=2

https://www.youtube.com/watch?v=9xCskNFVt2c&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=3

https://www.youtube.com/watch?v=5SIBB589fAg&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=4

https://www.youtube.com/watch?v=PrVOM7M5nEY&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=5

https://www.youtube.com/watch?v=EcUGDTs4RyY&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=6

https://www.youtube.com/watch?v=V4Wwuu05_t4&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=7

https://www.youtube.com/watch?v=XETsCR2bXJI&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=9

Unit II

Decision making and branching statement: simple if statement, if-else statement, else-if ladder statement, nested if-else statement,

https://www.youtube.com/watch?v=D0ACZ0uU_2g&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=10

switch statement,

https://www.youtube.com/watch?v=E8weUIY2-iw&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=11

Decision making and looping:

https://www.youtube.com/watch?v=A_IgufxmIHk&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=12

while loop, do-while loop,

https://www.youtube.com/watch?v=OKzWpgMLDmk&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=14

https://www.youtube.com/watch?v=S2z0OTZozI&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=13



for loop,

https://www.youtube.com/watch?v=T5_qpdDtTZ0&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=15

break statement and continue statement

https://www.youtube.com/watch?v=yeH9DZlpbmM&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=16

https://www.youtube.com/watch?v=AWUxfROdzPc&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=17

https://www.youtube.com/watch?v=qc7FU9jWAxk&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=18

Unit III

Array: declaration and initialization of one dimensional and two dimensional arrays, Character array, accessing array element,

https://www.youtube.com/watch?v=qKFBtCPwjgI&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=23

Structure: defining, declaring and accessing, initialization of structure, array of structure

https://www.youtube.com/watch?v=J464pe6ZTrE&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=37

Union: defining, declaring and accessing, initialization of union

https://www.youtube.com/watch?v=C3zS6WPxHPY&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=39

Standard string handling functions: strlen(), strcpy(), strcat(), strcmp()

https://www.youtube.com/watch?v=fItaqGek-oA&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=34

https://www.youtube.com/watch?v=L2aTSqTcJs8&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=35

Unit IV

Function: Need of function, scope and lifetime of variable, delay function, return values,

https://www.youtube.com/watch?v=CSJLuARmzg0&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=19

category of function, recursion

https://www.youtube.com/watch?v=P5TdIWxYz4I&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=21

function call, call by value, call by reference,

https://www.youtube.com/watch?v=6R0jNW6j2NA&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=31



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Pointers: defining pointer, declaring pointer variable, initialization of pointer variable, accessing address of variable, pointer expression, pointer arithmetic

https://www.youtube.com/watch?v=HQzIJTTCBk&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=52

https://www.youtube.com/watch?v=lWX0nSBxcrc&list=PLu0W_9lII9aiXIHcLx-mDH1Qul38wD3aR&index=53