IMPORTANT QUESTIONS UNIT-WISE(R-20)

UNIT- I

What is a data type? Explain about the basic data types with example.

Write a c program to accept the different variables and return the size of variable.

What is an expression? Explain the evaluation of expression of expression with example.

Write a c program to calculate the distance between the two points.

Write a c program to calculate the perimeter and area of rectangle.

Explain about the storage classes in c with example.

Write a c program to compute the area of various geometrical shape.

Explain the type conversion with example.

Write a c program to perform addition between character and integer variable.

 (a) Explain the structure of c language with example.

 (b) Explain about command line arguments with example.

UNIT-II

What are the operators in c? Explain about the logical and bitwise operators with example.

Write a c program to print.

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(a) What are the decision making/selection statements in C. Explain with example.

(b) Explain about the multiway decision making statements with example.

What are the loops in c? write the difference between entry control and exit control loops.

Write a c program to check given number prime or not.

What are the looping control statements/iterative statements? Explain with example.

Write a c program using while loop read the numbers until 10 and also count average of entered number.

Write a c program to print the Fibonacci series.

Explain about breaking control statements. i)break ii)continue.

Write a c program accept the number entered by user. And print how many times each numbers is repeated.

UNIT-III

(a) what is an array? Explain array declaration, initialization with example.

(b)write a program for transpose of a matrix.

(a)Explain about the multidimensional arrays with example.
 (b)Write a program for multiplication of two matrices.
(a)Explain about string handling/string manipulation functions with example.
(b)Write a program to copy the string without using string handling function.
(a) What is structure? Explain declaration, initialization and accessing the members of a structure with example.
(b)Write the difference between the structure and union.
5. Write a C program to copy one string into another one string   without string function.
6.(a)Explain about the enumerated data type with example.
(b)Explain the typedef with example.
7. Write a C program using structure to read and display the information about students of particular collage.
8. Write a c program to find the largest of three numbers using structure.
9. Write a C program to calculate length of string without using string function.
10.write c program to compare two string.

UNIT-IV
(a) What is a pointer? Explain declaration and initialization of   pointer with example.
(b) What is double pointer ? Explain with example.
Explain about the pointer arithmetic with example.
Write a C program to perform comparison operation with the help of two pointer.
What is dynamic memory? Explain memory management function with example.
Write a C program to elaborate pointer array concept.
Write a c program to find the mean of n number using pointer.
(a)Explain about the pointer to functions.
(b) Explain pointer expression with example.
(a) Explain preprocessor directives/commands with example.
(b)Explain pointer to pointer ? Explain declaration and Initialization of pointer with example.
9. Write a c program to perform addition and find out the average of given number. Make sure number accept the memory throw malloc functions only.
10. write a program to convert floating point number into integer using pointer.

UNIT-V
What is a function? Explain function declaration, function definiation, function call with example.
Write a c program to print Fibonacci series with using recursion function and without recursion function.
Explain parameter passing techniques in functions/Explain about call by value and call by reference with example.
Write a c program to print number in reverse order using function.
(a) What is a recursion? Explain with example.
(b) Write a program for factorial of a number using recursion and without recursion.
        6. write a c program to swap the two numbers using function.

7. (a) Explain formatting input/output functions supported by c. (fscanf() and fprint())

(b) Explain various character input/output functions supported by c. (fputc() and fgetc())

  8. (a) Explain fread() and fwrite() functions with example.

(b)Explain the following functions. I)fseek() II) ftell() III) rewind()

9. write a c program to create a file and perform read and write operation .

10. write a c program to accept one string with the help of file and print that on your console.