INDEX

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| *S.No.* | *Objective* | *Page No.* | *Date* | *Remark* |
| 1 | WAP using switch-case to find the number of days in a particular month of a given year. The leap year check should also be considered. | 1-2 |  |  |
| 2 | WAP using switch-case to check whether a given year is a leap year or not. Case-1 will include multiple if statements, case-2 will use a single if statement having logical operators and case-3 will use ternary operator(?:). | 3-4 |  |  |
| 3 | WAP to determine whether a given character is a Capital letter, a small case letter or a digit using its ASCII value range. | 5 |  |  |
| 4 | Admission to a professional course is subject to the following conditions.   1. Marks in Math’s >=60 2. Marks in Physics >=50 3. Marks in Chemistry >=40 4. Total marks in all three subject >=200   OR  Total marks in Math’s and Physics >=150  Given the marks in three subjects, WAP to process the application to list the eligible candidates | 6 |  |  |
| 5 | WAP to print the following triangles. The number of rows entered from the user | 7-11 |  |  |
| 6 | WAP to compute and print a multiplication table upto 10 for numbers in a given range as in figure | 12 |  |  |
| 7 | WAP using switch-case to perform the following tasks: 1) To find whether a given number is an element of the Fibonacci series; 2) To print the Fibonacci series up to that given number. | 13-14 |  |  |
| 8 | Write a function checkPrime( ) to check whether a given number is a Prime number or not and then WAP using this function to print all the Prime numbers in a given range | 15-16 |  |  |
| 9 | Write a function checkArmstrong( ) to check whether a given number is an Armstrong number or not and then WAP using this function to print all the Armstrong numbers in a given range | 17-18 |  |  |
| 10 | WAP to find the prime factors of a given number | 19 |  |  |
| 11 | WAP to reduce the sum of the digits of a given number to a single digit. | 20 |  |  |
| 12 | Write programs for the following using iteration and recursion through switch-case.  a) Sum of first n natural numbers  b) Factorial of a given number.  c) Power of a given number (For e.g. 23 = 8, 2-3 = 0.125, 20 = 1).  d) Fibonacci series. | 21-22 |  |  |
| 13 | WAP to implement Linear Search in an array. | 23 |  |  |
| 14 | WAP to print the Largest and the Smallest element in an array. | 24 |  |  |
| 15 | WAP to print the sum of the Diagonal elements of a given square matrix. | 25 |  |  |
| 16 | WAP to find the transpose of a given matrix | 26-27 |  |  |
| 17 | WAP to find the addition and subtraction of two matrices. | 28-29 |  |  |
| 18 | WAP to find the multiplication of two matrices of different orders. | 30-31 |  |  |
| 19 | WAP to implement possible arithmetic operations in pointers using an array. | 32 |  |  |
| 20 | WAP to print the implement the following string manipulation functions: strlen(), strcat(), strcpy(), strcmp() and strrev(). | 33 |  |  |
| 21 | WAP to implement malloc(), calloc(), realloc() and free() functions. | 34 |  |  |
| 22 | WAP to implement the use of .(dot) and ->(arrow) operators in a structure. | 35 |  |  |
| 23 | Write a menu driven program in C to create a structure employee having fieldsempid, empname, empsalary. Accept the details of 'n' Employees from user and perform the following operations using functions. | 36-38 |  |  |
| 24 | WAP to implement the working of different modes of file opening (r, w, a, r+, w+, a+). | 39-41 |  |  |
| 25 | WAP to display the contents of a file on the console window using command line arguments in C i.e. to emulate the type command of DOS. | 42-43 |  |  |
| 26 | WAP to copy the contents of file to another using command line arguments in C i.e. to emulate the copy command of DOS. | 44-45 |  |  |
| 27 | WAP to program to draw a circle inside a square using graphics functions in C. | 46 |  |  |
| 28 | WAP to program to implement the following graphics functions: line(), circle(), rectangle(), drawelliplse(), fillellipse(), setbgcolor(), setcolor(), outtextxy(), drawpoly(), fillpoly(). | 47-48 |  |  |