

Hall Ticket Number:

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Code No. : 21118TS O3

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD
B.E. (C.S.E.) II Year I-Semester Backlog Examinations, May/June-2017

Finishing School - I : Technical Skills

Time: 1 ½ hours

Max. Marks: 35

Note: Answer ALL questions in Part-A and any THREE from Part-B

Part-A (11 Marks)

1. What is the output of the following program? [1]

```
#include <stdio.h>
void main()
{
float x=1.0; int i;
for(i=0;i<=x;i--)
printf("%f",x);
}
```
2. What is the difference between tuple and list in python? [1]
3. Name the File-related modules in python. [1]
4. Write a C function to find the sum of alternate elements in an array. [1]
5. Write a python program to find all such numbers which are divisible by 7 and are not multiples of 5, between 2000 and 3500. [1]
6. What is Recursion? Write C program to find the length of string using recursion. [2]
7. Does python support switch? Justify your answer. [2]
8. Write a python program to get the dates 30 days before and after the current date. [2]

Part-B (3 × 8 = 24 Marks)

9. a) Explain any four string library functions in C. Write a C program to find the number of vowels, consonants, digits and white spaces in a string. [4]
b) Write C program to find the second largest and smallest elements in an Array. [4]
10. a) How to use Except clause with multiple exceptions? Write a python program to display the class average mark with multiple exceptions. [4]
b) Explain File I/O functions in python and write a python program to append text to a file and display the text. [4]
11. a) With a given integral number n, write a program to generate a dictionary that contains (i, i*i) such that i is an integral number between 1 and n and then the program should print the dictionary. [4]
b) Write a program to generate and print another tuple whose values are even numbers in the given tuple (1,2,3,4,5,6,7,8,9,10). [4]
12. Answer any *two* of the following:
a) Memory allocation functions in C [4]
b) Namespace and scoping in python [4]
c) Mutable and immutable data types in python. [4]
