

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name : Fundamental of Computer Programming

Subject Code : 4TE01FCP1

Branch: B.Tech (All)

Semester : 1

Date : 22/03/2019

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1 Attempt the following questions:

(14)

- a) What is software?
- b) What is algorithm?
- c) Differentiate between system software and application software.
- d) Why is it not recommended to use GOTO statement?
- e) C is a middle level language. Justify.
- f) Explain strcat() function.
- g) An interpreter is a program that _____.
 - i) places programs into memory and prepares then for execution
 - ii) automates the translation of assemble language into machine language
 - iii) accepts a program written in a high level language and produces an object program
 - iv) appears to execute a resource as if it were machine language

h) What should be the output:

```
void main()
{
    int a = 10/3;
    printf("%d",a);
}
```

i) 3.33

ii) 3.0

iii) 3

iv) 0

i) Trace the output.

```
int main()
{
    int a=5;
    printf("%d %d %d", a ,a++, ++a);
    return 0;
}
```

i)5, 6, 7.

ii) 7, 6, 6

iii). 5, 6, 6

iv). None of the above



