

TCS-101

312

Printed Pages : 3

Paper Code & Roll No. to be filled in your Answer Book

Roll No.

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Odd Semester Examination-2016

B.Tech. (Semester-I)

**FUNDAMENTAL OF COMPUTER AND
PROGRAMMING**

[Time : 3 Hours]

[Maximum Marks : 100]

Note : Attempt **all** questions.

1. Attempt **any four** questions : (5×4=20)
- (a) Draw the block diagram of computer system and explain it.
 - (b) What are the key features of third generation computer?
 - (c) Explain data bus and address bus.
 - (d) Define CPU cycle in detail.
 - (e) Explain multitasking and multi programming.
 - (f) Describe the salient features of UNIX.

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(1)

[P.T.O.]

2. Attempt **any four** questions : (5×4=20)

- (a) What do you mean by register and it's types?
- (b) Write ten internal commands of DOS.
- (c) What do you mean by operating system and it's roles?
- (d) Define variable, keywords and identifiers.
- (e) Differentiate high level language and low level language.
- (f) Explain flow chart with its applications.

3. Attempt **any two** questions : (10×2=20)

- (a) What are data types in C language explain with example?
- (b) WAP to find a given number is prime or not.
- (c) What do you mean by algorithm? Write an algorithm to addition of two, 1 D arrays.

4. Attempt **any two** questions : (10×2=20)

- (a) Differentiate the while and do while loop.

(b) What do you mean by array? And WAP to enter the elements in 1D array and print it in reverse manner.

(c) Explain storage classes in C language with the help of example.

5. Attempt **any two** questions : (10×2=20)

(a) Explain string variable and string handling functions with the help of example.

(b) What do you mean by function? Explain recursive function with example.

(c) Write a short notes on:

(i) Jump statements.

(ii) Header files.

(iii) Control statements.

(iv) Scope of a variable.

(v) Programming techniques.

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