EH-242

B.E. Ist Semester (CGPA) Inform. Tech.

Examination, 2019

Fundamentals of Computer & Prog.

Paper – IT – 103

Time : 3 Hours]   [Maximum Marks : 60

Note :- Quetions No. 1 is compulsory. Question 2 to 6 contains internal choice.

1. Fill in the blanks : $1 \times 10 = 10$

    (i) C.P.U. Stands for ....

    (ii) Software can be classified into .... and ....

    (iii) When i = 5, j = i +++ ii what is the value of j ...... ?

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(iv) .... command is used to display the contents of file in unix.

(v) Pwd commands is used for ....

(vi) Int data type requires .... bytes.

(viii) OCR is a .... device.

(ix) Unary operators are .... and ....

(x) Enum is a ....

2. (a) Differntiate between compiler and interpreter.   5

(b) Draw the block diagram of a computer system.   5

OR

(a) Explain various types of computer systems.   5

(b) Explain the various types of memories.   5

3. (a) Compare UNIX and DOS operating system.   5

(b) Explain the following command in UNIX ;-   5

(i) Like

(ii) Cal

(iii) Who

(iv) MV

(v) CP

OR

(a) Explain Vi editor in UNIX.   5

(b) Write the important characteristics of UNIX operating system.   5

4. (a) Explain the following statements :-   5

     (i)   Break

     (ii)   Continue

     (iv)   Goto

     (v)   Switch

(b) Describe the following programming technique :- 5

     (i)   Structural

     (ii)   Object oriented programming.

OR

(a) What do you mean by precedence and Associativites of operators.   5

(b) What is Ternary operator ? Write a program that was ternary operator.   5

5. (a) What do you understand by function prototyping.   5

(b) Write a program to print factorial of any no. using recursion ?   5

EH–242   (3)   P.T.O.

OR

(a) Explain automatic storage class in detail ?   5

(b) Explain array with suitable examples ?   5

6. (a) Define union write a programe to store the records of

     five students using union.   5

(b) What do you understand by structure.   5

OR

(a) What is pointer write a program that uses the concept

     of pointer.   5

(b) What is enumerated data type explain with example. 5

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