Roll No. ....

Name ....

II PRE BOARD EXAMINATION (IN)
2020
कम्प्यूटर विज्ञान

Time : 3 hours 15 Min.]   [Max. Marks : 60

Instruction :   First 15 minutes are allotted for the candidates to read the question paper.

Note :   Answer **all** questions.

1.   Select your answer from the options given below

the following questions:- $6 \times 1 = 6$

(i)   Which attribute is/are used to merge rows?

     (a) rowspan

     (b) colspan

     (c) both of them

     (d) none of these

(ii) C++ was originally developed by :

     (a) Sir Richard Hadlee

     (b) Donal E. Knuth

     (e) Bjarne Stroustrup
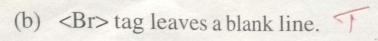
     (d) None of these

(iii) To start a list with "." which is correct

syntax:

   (a) <ul type = "disc">

   (b) <ol type = "circle">

   (c) <ol type = "disc">

   (d) none of these

(iv) Word processor is a :

   (a) System software

   (b) Application software

   (c) Both (a) & (b)

   (d) None of these

(v) How many home pages are there in a website?

   (a) 1

   (b) 2

   (c) 3

   (d) 4

(vi) What does a column represents in RDBMS table?

   (a) A record

   (b) An attribute

   (c) An entity

   (d) A data value

2.   State True / False :- $4 \times 1 = 4$

     (a)   Program coding is the first step of PDLC.   F

     (b)
 tag leaves a blank line.   T

     (c)   4GL is the easiest programming language.   T

     (d)   Linker is a language translator program.   F

3.   Answer the following questions in

     brief:- $5 \times 2 = 10$

     (i)   Explain any two utility programs.

     (ii)   Differentiate between flowchart and

        algorithm.

     (iii)   Explain any four font formatting tags.

     (iv)   What is assembler? Explain its types.

     (v)   Explain any two application programs.

4.   Answer the following questions:- $5 \times 3 = 15$

(i)   Differentiate between assembly language and high level language.

(ii) Differentiate between primary key and foreign key.

(iii) What is SQL? Explain 'select' and 'where' clause.

(iv) What do you understand by polymorphism? Explain with example.

(v)   Write the HTML code to display an image on the right side of a page.

5. Answer following questions :-

(Attempt any five) $5 \times 5 = 25$

(i) Differentiate between object oriented programming and structured programming.

(ii) Explain nested listing with suitable example.

(iii) Draw a flow chart to print the largest number among three numbers.

(iv) Differentiate between constructor and destructor with suitable example.

(v) Explain function overloading with example.

(vi) Write a program in C++ to accept a number and check whether it is perfect number or not.

(vii) Write a program in C++ to accept an array of integers and print it in ascending order.

(viii) Define the following terms :-

(a) Pointers

(b) Exceptions

(c) Data abstraction

(d) Decision table

(e) Client server system

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