Intermediate Exam Year 2021-22
Model Question Paper
Computer

Time – 3 hours 15 minutes   Max marks – 60

Note – First 15 minutes are allotted for the candidates to read the question paper.

Instructions :

(i)   All questions are compulsory.

1. Answer the following questions by choosing the correct answer from the given alternatives.

   a) Which of the following cannot be a part of software?   1
      i.   Program
      ii. Instruction
      iii. CPU
      iv. Online help

   b) There are total three conditions in a program. What will be the maximum number of rules in the decision table to be made for the program?   1
      i.   3
      ii. 6
      iii. 8
      iv. 12

   c) Which programming language is used to create web pages? 1
      i.   HTML
      ii. HLL
      iii. C++
      iv. Word star

   d) Who developed the C++ language?   1
      i.   Bjarne Stroustrup
      ii. Bill Gates
      iii. Pascal
      iv. None of these

   e) DBMS is related to -   1
      i. Data storage

ii. Receiving data from database
iii. Security of data base
iv. All of these.

2. Answer the following questions in one word/sentence
    a.Define Program   1
    b.Where is HTML tag written?   1
    c. Which objects are declared in a class C++?   1
    d.What is the extension of a header file?   1
    e.What type of software is computer game?   1

3. Answer the following questions.
    a.What is application software? Give an example.   2
    b.What is a character set? Give an example.   2
    c.What are constructors?   2
    d.What are Base and Derived classes?   2
    e. Write two important characteristics of pseudo code technique.   2

4. Answer the following questions.
    a.What are classes and objects?   3
    b.What do you mean by web page and website?   3
    c.Explain the utility of decision table.   3
    d.Explain the difference between 'For' and 'While' loops.   3
    e.What are arithmetic operators? Explain with example.   3

5. Answer any **five** of the following questions.
 a.What are softwares? Explain its main types with examples.   5
 b.Write the difference between object oriented programming and
   procedural programming.   5
 c.What is Array? What are its main types? How is an array declared
   and initialised?   5
 d.How can the following be included in a web page? Explain.   5
    i. Image
    ii. Bullet and number
e. What is a flowchart? Which symbols are used in it? Draw a flowchart to find the largest number out of three numbers.
f. Write a program in C++ using 'For'/ 'While' loop for tables from 1to 10   5

g.What is data? What is database? Why do we need database? Explain the characteristics of relational database.   5

h.What do you understand by public, private and protected members of a class? who can access them   5