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