Indian School Al Wadi Al Kabir
Mid Term Examination
COMPUTER SCIENCE

Class: VIII   Time: 1 Hour
Date: 12/09/2024   Max. Marks: 25

General instructions:
- i.   All questions are compulsory.
- ii. Section A questions carries **½** mark each.
- iii. Section B questions are descriptive type.

Section -A

I.   Choose the correct answer: 6 x ½ = 3

1.Which of the following languages is used to make dynamic webpages?
    i)HTML   ii) CSS   iii) JavaScript   iv) None of these
ans: JavaScript

2.Which of the following is used to add single line comments in JavaScript?
    i):   ii) //   iii);   iv)" "
ans: //

3.Which of the following is not an example of Cloud Storage?
    i)DOS   ii) Dropbox iii) OneDrive iv) iCloud
ans:DOS

4.In which year was JavaScript developed?
    i)1995   ii)1985   iii)1975   iv)1997
ans: 1995

5.What is the syntax used to write comments in python?
    i)//comment   ii) /*comment*/   iii) #comment   iv) <!--comment-->
ans: #comment

6.Who developed Python Programming Language? _____
    i)Wick van Rossum   ii) Rasmus Lerdorf   iii) Guido Van Rossum   iv) Niene Stom
ans: Guido Van Rossum

II.   Fill in the blanks: 6 x ½ = 3
1. An **expression** is a unit of code that is evaluated to a value.
2. IDLE stands for **Integrated Development and Learning Environment**.
3. A **datatype** determines the type of data stored in a variable.
4. **Float** data type represents numbers with fractional parts in python.
5. **Cloud computing** is the online storage space where users can save their documents, can access them through multiple devices.
6. Commands and instructions given to the JavaScript interpreter to take some actions are called **statements**

III.   Write True or False: 4 x ½ =2

1. OneDrive was launched on 5th August,2008. False
2. You must have a Gmail account to access OneDrive. False
3. JavaScript is a case sensitive and interpreted language. True
4. .py is the extension of python program. True

IV.   Answer in one or two words   4 x ½ =2
1. In which type of JavaScript, is the code written & saved in a separate file?
   Ans: External JavaScript
2. What is a combination of values and operators? Expression
3. Which type of computing technology provides a facility to store, organize, and edit data through the network. Ans:Cloud Computing
4. This cloud is owned by a particular company and allows its services to be accessed only within the company firewall and is not meant for the general public. Identify the type of cloud.
   Ans :Private Cloud

Section – B

V.   Define the following: 2x1=2
   1. Programming Language
      A Programming Language is a set of words, symbols and codes that are used to write a computer program
   2. Hybrid cloud
      A hybrid cloud includes both public and private clouds. This consists of services that are owned by a private company but also provide its services to the general public.

VI.   Differentiate Between: 2x1=2
   1. Syntax error & Logical error
       Every programming language in computer has certain rules and regulations.
       Syntax error will occur when these rules & regulations of computer language are violated.
      Logical Error
       These errors are also known as semantic errors. They cause the program to behave incorrectly, but they do not usually crash the program.
   2 Prompt() method & Document. Write () method
       Ans:Java script allows us to take input from the user with the help of prompt () method.
       The document. write () method is used to display output on the web page.

VII   Answer the following question: 3x2=6
   1. Write any two features of JavaScript
      Client-side and server-side applications
      Platform –independent; Runs in many operating systems.
   2. What is the use of Dropbox?
      Dropbox is a popular **cloud storage service** that can be used to store and share files "in the cloud" which means that you can store and back up your files online from anywhere.
   3. What is a variable? How can variables be declared in python?
      Variables are used to store data in the memory.
       Eg: total_marks=500
      Variable name can be made up of letters,& the underscore character(_),but they can't start with a number. It also cannot use a reserved word.

VIII.   Write a python program to convert Celsius to Fahrenheit   1x2=2
         #Temperature conversion of celsius to fahrenheit
         celsius=float(input("enter the temperature in celsius"))
         fahrenheit= celsius*(9/5)+32
         print("Temperature in Fahrenheit is: ",fahrenheit)

IX.   Application based Question: 3x1=3

   1. Rohan finished writing a program in python and has saved it successfully but now he has
      forgotten the option to execute a program. Tell him which option he should use?
      Ans:Run Module
   2. Ameya is creating a website in HTML. She wants to add a functionality to accept the roll
      number of a student online. Which method of JavaScript helps her to do so?
      Ans:Prompt method
   3. Hariz wants to access services provided by cloud computing and does not want to invest in
      specialized hardware or software. Is it possible to do so or will he need to buy some specific
      hardware or software?
      Ans:Hariz need not buy any software or hardware , he can access service provider such as
      Dropbox , Zip Cloud, iCloud and Google drive through his email ID