INDIAN SCHOOL SOHAR
UNIT TEST I (2024-25)
INFORMATICS PRACTICES (065)
SET II

CLASS: XI   **MAX. MARKS: 20**
DATE: 26 /05/2024   **TIME: 40 MINUTES**

GENERAL INSTRUCTIONS: -

1. This question paper contains five sections, Section A to E.
2. All the questions are compulsory.
3. Section A has 6 questions carrying 01 mark each.
4. Section B has 01 Very Short Answer type question carrying 02 marks.
5. Section C has 01 Short Answer type question carrying 03 marks.
6. Section D has 01 question carrying 04 marks. One internal choice is given in Q9 against part iii only.
7. Section E has 01 Long Answer type question with internal choice carrying 05 marks.
8. All programming questions are to be answered using Python language only.

SECTION - A

1. Equivalent exponent form of 0.08345E01 is _____ .   1
   a) 0.0008345E3   b) .8345   c) 0.0008345E-3   d) both a & b

2. Escape sequences are treated as _____ .   1
   a) special literals   b) integers   c) characters   d) variables

3. Component of CPU which is responsible for comparing the contents of two pieces of data is _____ . 1
   a) ALU   b) CU   c) Memory   d) Register

4. Operating System is an example of_____ .   1
   a) Application software   b) System Software   c) Utility Program   d) Language Processor

5. Flash memory is a type of _____ memory.   1
   a) Primary   b) Secondary   c) RAM   d) both a & c

Q6 is an **ASSERTION AND REASONING** based questions. Mark the correct choice as:
   a) Both A and R are True and R is the correct explanation for A
   b) Both A and R are True and R is not the correct explanation for A
   c) A is True but R is False
   d) A is False but R is True

6. **Assertion (A)**: Python is an interpreted language.   1

   Reasoning (R): Python code is compiled before running.

SECTION – B

7. Write a Python program that accepts the principal amount, rate of interest, number of years
   from user. Calculate and display the Simple interest.   2
   Note: S.I= $\frac{PRT}{100}$

SECTION – C

8. Explain the following: 3

   i. Data Capturing   ii. Cache Memory   iii. Free Software

SECTION – D

9. Mr. Sumit is writing a book on Computer System. Help him to answer the following: 1 + 1 + 2
   i. Convert the following: a) 1____ = 1024EB   b) 1MB=_____ bytes
   ii. Identify the category (Freeware / Proprietary) of the following software:
      a) Microsoft Internet explorer   b) Microsoft Windows
   iii. Explain Language Processor

   OR

   Explain Utility Software.

SECTION – E

10. Ms. Prerna is working as a Python programmer in an MNC. Help her to answer the following: 5
   i. What is Dynamic Typing?
   ii. Explain interactive and script mode.
   iii. Write any two rules for naming an identifier.
   iv. Underline the error(s) and rewrite the correct code:
      b=6
      print("The value of b is"B)
   v. Predict the output of the following code:
      x,y=4,5
      x-=2
      x,y=y%2,x/2
      print(y,x,end='\t')
      print(y+2)

   OR

   i. What is an expression in Python?
   ii. What will be the sizes of the following constants?
         a) "Python\'s"   b) '''My
                                 book'''
   iii. Write any two disadvantages of Python.
   iv. Underline the error(s) and rewrite the correct code:
      G=int(Input('enter your age')
   v. Predict the output of the following code:
      p, q, r = 5, 10, 2
      r, p, q = q/r, q-p-3, r%p
      print(p,q,r, sep='\t')

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