

Ts12CS

Tenkasi District

Common First Mid Term Test - 2023



10-08-2023

Standard 12

Time: 1.30 Hrs.

**COMPUTER SCIENCE**

Marks: 35

**I. Choose the correct answer:****10×1=10**

- 1) The variables in a function definition are called as  
a) Subroutines      b) Function      c) Arguments      d) Parameters
- 2) The datatype whose representation is unknown are called as  
a) Built in datatype      b) Derived datatype  
c) Abstract datatype      d) Concrete datatype
- 3) The process of subdividing a computer program into separate sub-programs is called  
a) Modular programming      b) Procedural programming  
c) Dynamic programming      d) Object oriented programming
- 4) The algorithm that yields expected output for a valid input is called as?  
a) Algorithmic problem      b) Algorithmic solution  
c) Algorithmic outcomes      d) Algorithmic coding
- 5) Which of the following character is used to give comments in python program?  
a) \$      b) @      c) #      d) &
- 6) Which key is used to execute python script?  
a) F5      b) F2      c) F1      d) F3
- 7) What plays a vital role in python programming?  
a) Statements      b) Control      c) Function      d) Indentation
- 8) What is the output of the following snippet?  
for i in range (2, 10, 2):  
    print (i, end=' ')  
a) 8 6 4 2      b) 2 4 6 8 10      c) 2 4 6 8      d) 2 4 6
- 9) In which arguments the correct positional order is passed to a function?  
a) Required      b) Keyword  
c) Default      d) Variable length
- 10) Write the output of the following function.  
pow (2, -3)  
a) 8      b) -8      c) 0.125      d) -9

**II. Answer ANY THREE Questions. Question No. 15 is compulsory:      3×2=6**

- 11) Differentiate interface and implementation.
- 12) What is a pair? Give an example.
- 13) What is an Algorithm?
- 14) What is literal? Explain the types of literals.
- 15) List the control structures in python.

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III. Answer ANY THREE Questions. Question No. 20 is compulsory: 3×3=9

- 16) Why access control is required?
- 17) Write a note on Asymptotic notation.
- 18) Explain conditional operator with example.
- 19) Explain Break statement with example.
- 20) Differentiate ceil() and floor() function.

IV. Answer all the questions: 2×5=10

21) a) How will you facilitate data abstraction? Explain it with suitable example.

(OR)

b) Explain the types of scopes for variables.

22) a) Describe in detail the procedure script mode programming.

(OR)

b) Write about the four types of function arguments.

Sivakumar M, Sri Ram Matha HSS  
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