

HCSE / Reg with python (08) 19/3/24 ATKT

DURATION: - 2½ hrs

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MARKS:- 75

- Note: - (1) All questions are compulsory.
(2) All questions carry equal marks.
(3) Figures to the right indicates full marks

- Q.1) **Attempt (Any 4)** 20M
- 1) What are logical operators? Explain with an example. CO2-R
 - 2) Explain the output () function with an example. CO5-U
 - 3) Write a program to sum of 1 to 10 numbers. CO1-A
 - 4) Explain the concept memory management. CO3-U
 - 5) Explain return and assert statement. CO4-U
 - 6) Explain the nested if ... else with example. CO4-U
- Q.2) **Attempt (Any 4)** 20M
- 1) Explain precedence of operators. CO3-U
 - 2) Explain the basic array operation with examples. CO3-U
 - 3) What is mean by aliasing array? Explain? CO2-R
 - 4) Explain size attribute with examples. CO3-U
 - 5) Explain keyword arguments. CO3-U
 - 6) Explain how to pass value by object reference. CO3-U
- Q.3) **Attempt (Any 4)** 20M
- 1) How to execute module as a script? CO4-R
 - 2) Explain dir () function. CO2-U
 - 3) What are the advantages of module? CO2-R
 - 4) Write a python program to get the smallest number from a list. CO1-A
 - 5) Explain different list operation. CO3-U
 - 6) Explain different tuple operation with example. CO3-U
- Q.4) **Attempt (Any 5)** 15M
- 1) Write a program to count the number of characters in a string. CO1-A
 - 2) Write a program to reverse a string. CO1-A
 - 3) Write a program to print the even number from a given list. CO1-A
 - 4) Write a program to remove 0 from the given number. CO1-A
 - 5) Explain nested if else with example. CO4-U
 - 6) Explain return and assert statement. CO3-U

