

**KAMANI SCIENCE & PRATAPRAI ARTS COLLEGE, AMRELI**  
**(BCA DEPARTMENT)**

**Programming in Python : CS-30**  
**UNIT - 2 (Assignment Questions Bank)**

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- Q -1 Explain Quick Sort with example.
- Q -2 Explain Search algorithm in python with example.
- Q - 3 Explain Sorting algorithm in python with example.
- Q - 4 Explain Encapsulation and Information Hiding in python.
- Q - 5 Explain assertion in detail.
- Q - 6 What is Class ? How to create it? Explain with example.
- Q - 7 Explain Hash Table(Mapping) with example.
- Q - 8 Explain Bubble sort in python.
- Q - 9 What is inheritance ? Explain single and multiple inheritance in detail.
- Q - 10 Explain Exception Handling in python.
- Q - 11 What is 'self' in python? Explain with example.
- Q -12 Explain \_\_init\_\_ in Python with example.
- Q - 13 Write the following.
- (1) The python \_\_\_\_ statement forces a specified exception to occur.
  - (2) ELSE keyword is used in exception Handling in python (True/False).
  - (3) \_\_\_\_ exception catch all exception.
  - (4) Partition and exchange sort is \_\_\_\_.
  - (5) \_\_\_\_ keyword tell the python that function is generator.
  - (6) What is time complexity of the merge sort & binary search?
  - (7) ADT stands for \_\_\_\_.
  - (8) \_\_\_\_ error is raised when division or module by zero.
  - (9) In python, exception can be handled using a \_\_\_\_ statement.
  - (10) \_\_\_\_ error is raised when calculation exceeds maximum limit for a numeric type.
  - (11) \_\_\_\_ error is raised when an import statement fails.
  - (12) When a child class inherits from only One parent class it is called?
  - (13) partition and exchange sort is \_\_\_\_.
  - (14) \_\_\_\_ is time complexity of merge sort.