

B.C.A Semester - 6 (CBCS) Examination
July-2025 (OLD COURSE)
CS-33 PROGRAMMING IN PYTHON(CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1(A) Answer the following questions. (04)
1. Which function use to create empty list?
 2. Which keyword is used to create user defined function in python?
 3. The _____ Symbol is a shell prompt in python.
 4. Which special character used to represent new line character in Python?
- Que-1(B) Answer the following questions (ANY ONE) (02)
1. Explain Function in python.
 2. Explain Global Variable in Python
- Que-1(C) Answer the following questions (ANY ONE) (03)
1. What is module? Explain with Example.
 2. Explain slice () method in Python.
- Que-1(D) Answer the following questions (ANY ONE) (05)
1. Explain branching statement with example.
 2. Explain List in detail with example.
- Que-2(A) Answer the following questions. (04)
1. What is inner class?
 2. Partition exchange sort is _____.
 3. What is abstract class?
 4. ADT stands for _____.
- Que-2(B) Answer the following questions (ANY ONE) (02)
1. What is 'self' in python?
 2. Explain binary Search with example.
- Que-2(C) Answer the following questions (ANY ONE) (03)
1. Explain polymorphism in brief.
 2. Explain quick sort algorithm.
- Que-2(D) Answer the following questions (ANY ONE) (05)
1. Explain Encapsulation.
 2. What is Abstract class? How to create it? Explain with example.
- Que-3(A) Answer the following questions. (04)
1. Which module import for pylab?
 2. What is pylab?
 3. What is Bar plot?
 4. Which method use to display plot?
- Que-3(B) Answer the following questions (ANY ONE) (02)
1. Explain Split().
 2. Explain xlab(), ylab().
- Que-3(C) Answer the following questions (ANY ONE) (03)
1. Explain plot().
 2. Explain Fibonacci Sequence.

- Que-3(D) Answer the following questions (ANY ONE) (05)
1. Explain 0/1 Knapsack Problem.
 2. Explain Divide and conquer algorithm.
- Que-4(A) Answer the following questions. (04)
1. Full form of CSV.
 2. Full form of DOM.
 3. What is Regex in python?
 4. Full form of CSV.
- Que-4(B) Answer the following questions (ANY ONE) (02)
1. Explain the load ().
 2. Explain tweet dump ().
- Que-4(C) Answer the following questions (ANY ONE) (03)
1. Explain Regular Expression.
 2. Explain meta characters with single line meaning.
- Que-4(D) Answer the following questions (ANY ONE) (05)
1. Explain Match object with its property and methods.
 2. Explain Search (), findall () with example.
- Que-5(A) Answer the following questions. (04)
1. ROC Full form.
 2. What is Complexity?
 3. MSE Full form.
 4. What is Data Frame?
- Que-5(B) Answer the following questions (ANY ONE) (02)
1. Explain Head () in python.
 2. Explain tail () in python.
- Que-5(C) Answer the following questions (ANY ONE) (03)
1. Explain Simple model vs Complex model.
 2. Explain Linear and Non-linear Algorithm.
- Que-5(D) Answer the following questions (ANY ONE) (05)
1. Explain Big Data vs large data.
 2. Explain Predictive Model building stages.
