

B.C.A Semester - 6 (CBCS) Examination
March/April-2023 (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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- Q.1(A) Answer the following questions. (04)
1. IDLE Stands for_____.
 2. Which symbol is used to set single line comment in Python?
 3. Which keyword is used to create user defined function in python?
 4. Which special character used to represent new line character in Python?
- Q.1(B) Answer the following question. (ANY ONE) (02)
1. Explain Function in python.
 2. Explain Global Variable in Python.
- Q.1(C) Answer the following question. (ANY ONE) (03)
1. Explain if statement with example.
 2. Explain Tuple data type in Python.
- Q.1(D) Answer the following question. (ANY ONE) (05)
1. Explain List in detail with example.
 2. Explain Dictionary in detail with example.
- Q.2(A) Answer the following questions. (04)
1. What is class?
 2. ADT stands for_____.
 3. Partition exchange sort is_____.
 4. What is Hashtables?
- Q.2(B) Answer the following question. (ANY ONE) (02)
1. Explain Exception handling in brief.
 2. Explain Encapsulation in brief.
- Q.2(C) Answer the following questions. (ANY ONE) (03)
1. Explain Inheritance in Python.
 2. Explain linear search algorithm in Python.
- Q.2(D) Answer the following question. (ANY ONE) (05)
1. What is Abstract class? How to create it? Explain with example.
 2. Explain any Selection sort algorithm in Python.
- Q.3(A) Answer the following questions. (04)
1. Which module import for pylab?
 2. Which method use to display plot?
 3. What is Plot?
 4. Define sub-plot.
- Q.3(B) Answer the following question. (ANY ONE) (02)
1. Explain Histogram.
 2. Explain plot(),title(),xlab(), ylab() with example.
- Q.3(C) Answer the following question. (ANY ONE) (03)
1. Explain Pieplot.
 2. Explain Divide and Conquer algorithm.

- Q.3(D) Answer the following question. (ANY ONE) (05)
1. Explain Mortgage with an example.
 2. Explain Memorization with Fibonacci Example.
- Q.4(A) Answer the following questions. (04)
1. Full form of JSON.
 2. Full form of CSV.
 3. Full form of DOM.
 4. Full form of XML.
- Q.4(B) Answer the following question. (ANY ONE) (02)
1. Explain tweet scrub.
 2. What is Regular Expression?
- Q.4(C) Answer the following question. (ANY ONE) (03)
1. Explain the loads () and dumps () method with example.
 2. Explain the sub () with an appropriate example.
- Q.4(D) Answer the following question. (ANY ONE) (05)
1. Explain Screen scraper with example.
 2. Explain Search (), match(), findall() with example.
- Q.5(A) Answer the following questions. (04)
1. What is Data Frame?
 2. What is Complexity?
 3. What is Regression problem?
 4. MSE full form.
- Q.5(B) Answer the following question. (ANY ONE) (02)
1. What is Predictive model?
 2. What is Data Set?
- Q.5(C) Answer the following question. (ANY ONE) (03)
1. Explain Big Data.
 2. Explain Linear & Non-linear Algorithm.
- Q.5(D) Answer the following question. (ANY ONE) (05)
1. Characteristics of the Rocks versus Mines Data Set.
 2. Difference Machine Learning and Predictive analysis.
