

Paper Code : 21323

F-423

B.C.A. (Fifth Sem.) Examination, 2022-23

(New Course)

Paper-BCA-503-N

INTRODUCTION TO INTERNET PROGRAMING

Time : Three Hours / Maximum Marks : 70

Note : Attempt any five questions. All questions carry equal marks. Symbols used have their usual meanings.

1. (a) What are the characteristics of Java programming language? Explain with example.
(b) What are the desired components of primary applications? Describe.
2. (a) What are the data types used in Internet applications of Java language? Explain.

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- (b) Write all the steps for displaying table of a number.
3. (a) How primitives and constants are stored in memory? Describe with example.
(b) Describe string reference variables for storing strings in memory.
4. (a) What is method overloading? Explain its types with example.
(b) Describe type casting with proper example.
5. (a) What are different types of operators? Explain.
(b) Write a program in Java for generating fibonacci series using for loop.
6. (a) What do you understand by Association and life time of a variable? Explain with proper example.
(b) Write steps for creating panels and complex layouts.

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7. (a) What is constructor? Describe its various types.
- (b) What is HTTP? Create & Explain an HTTP response with example.
8. Explain any **two** of the following :
- (a) System Network Architecture (SNA)
- (b) License Service API
- (c) Client-side Scripting
- (d) While-loop & Do-While loop.
- (e) Grouping classes in packages.