

Total No. of Questions : 8] [Total No. of Printed Pages : 3

Paper Code : 21323

F-423

**B.C.A. (Vth Semester)
Examination, 2019-20**

(New Course)

INTRODUCTION TO INTERNET PROGRAMMING

Paper-BCA-503-N

Time : 3 Hours]

[Maximum Marks : 70

Note :- Attempt any *five* questions. All questions carry equal marks i.e. 14 marks. Symbols used have their usual meanings.

1. (a) What do you mean by "Byte-Code" in Java ?
Define JVM and its role.
- (b) Write down the steps required to write, save and running a Java program.
2. (a) Java is a Compiled *or* Interpreted language *or* both. Justify your answer.

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(1)

Turn Over

- (b) How Java programs are different form C++ programs in structure ?
3. (a) Write a program in Java to display a "Hello-message".
- (b) Define the terms :
- (i) AWT
- (ii) Applet
4. (a) Differentiate constructor and destructor.
- (b) Explain "Java-methods".
5. (a) Write a Java-program to find whether a user defined number is prime or not.
- (b) Write a program in Java to check whether a number input by programmer is an Armstrong number or not.
6. (a) What are the elements of graphic user interface development ?
- (b) What are "Asps" ?

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(2)

7. (a) Describe Active X design time controls.
(b) Explain systems network architecture.
8. Write short notes on the following : (any *four*)
- (i) Servlet Vs Applet
 - (ii) Encapsulation
 - (iii) MAPI
 - (iv) HTTP Vs. HTTPS
 - (v) Typecasting

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