

18/2092

**B.C.A. Examination, 2018**

**Fifth Semester**

**Second Paper**

**(Java Programming and Dynamic Webpage Design)**

**Time Three hours Maximum Marks .73**

Note : An .it any fin questions All Questions con of equal marks.

Note . The answers to short Questions should not exceed 200 words and Answer to long Questions Should not exceed 500 words

1. Describe JAVA primitive types and reference types. what are the different type of operators in JAVA.
2. (a) Explain JAVA AWT package class hierarchy.  
(b) What is 'main' method? Differentiate between server side scripting and client side scripting. 5  
(c) How are strings Saved in memory? Explain with examples. 5
3. (a) Write a program in JAVA to test whether the given string is a palindrome or not. 5  
(b) Explain various looping constructs in JAVA with examples.  
(c) What is method overloading? Give suitable examples to explain it. 5
4. Write short notes on :  
(a) Abstract classes (b) ActiveX controls (c) Inheritance
5. (a) Write a program in JAVA that prints the reverse of a given string. 5  
(b) What are the components of the JAVA class library package? 5  
(c) Why is JAVA known as a machine independent language? 5
6. (a) What is a string buffer? How does it differ from a string? Give three ways for creating a string object. 5  
(b) Explain how JAVA reads a HTTP request and creates a HTTP response. 5  
(c)What is the difference between overloading and overwriting methods in JAVA? Explain with appropriate code example segments. 5
7. (a) What is an applet and where is it deployed? Explain giving examples. 5  
(b) What are server side dynamic WebPages? How can we establish HTTP connection using active server pages ?  
(c) Can we use pointers in JAVA? Give reasons in support of your answer.
8. Write short notes on : 5+54 5  
(a) HTML Tags (b) Linking image to a webpage (c) Use of Framesets