

B.Sc. 5th Semester (Programme) Examination, 2019-20

COMPUTER SCIENCE

Course ID : 51518

Course Code : SP/CSC-501-DSC-1A

Course Title: Internet Technologies

Time: 1 Hour 15 Minutes

Full Marks: 25

*The figures in the right hand side margin indicate full marks.
Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any five* questions: 1×5=5
- (a) What is Byte code?
 - (b) What is JDBC?
 - (c) What is the full form of API?
 - (d) What is Polymorphism?
 - (e) Difference between CC and BCC in E-mail.
 - (f) What is Javascript?
 - (g) What is negative infinity?
 - (h) What is the primitive datatype in Java?
2. Answer *any two* questions: 5×2=10
- (a) (i) What is the difference between Java and Javascript?
(ii) What is the difference between while and do-while loop? 2½+2½=5
 - (b) What is the purpose of 'This' operator in Javascript? With example. 1+4=5
 - (c) Explain implicit objects in JSP. 5
 - (d) Explain the JSP Destroy () method, and explain the <jsp:param> action. 2½+2½=5
3. Answer *any one* question: 10×1=10
- (a) Write a Java program for the following matrix operation: 10
 - (i) Addition of two matrices
 - (b) (i) Difference between include directive and include action of JSP.
(ii) Write a Javascript program to find out whether the given year is leap or not. 5+5=10

B.Sc. 5th Semester (Programme) Examination, 2019-20**COMPUTER SCIENCE****Course ID : 51518****Course Code : SP/CSC-501-DSC-1A****Course Title: Programming in Java****Time: 1 Hour 15 Minutes****Full Marks: 25**

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as far as practicable.*

1. Answer *any five* questions: 1×5=5
- (a) What is object?
 - (b) What do you mean by data hiding?
 - (c) What is constructor?
 - (d) Write down two application of Java programming?
 - (e) What are the difference between = and == operator?
 - (f) What do you mean by ternary operator?
 - (g) What is variable?
 - (h) What is the use of new operator?
2. Answer *any two* questions: 5×2=10
- (a) Write a program to print the following series:
1, 1, 2, 3, 5, 8, 13, 21...
 - (b) What is inheritance? Briefly describe their types.
 - (c) What are the difference between while loop and do while loop? Write syntax of switch statement.
 - (d) Write a program to find whether a given number is prime or not.
3. Answer *any one* question: 10×1=10
- (a) (i) Write a program in Java to accept a value of n and find the value of
 $s = 1! + 2! + 3! + \dots + n!$.
 - (ii) What are parameterized constructors? 8+2=10
 - (b) (i) Write a program count the no. of vowel : string : COMPUTER APPLICATION.
 - (ii) Draw the life cycle of thread? 7+3=10
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