

D (Printed Pages 4)
(20221) Roll No.
BCA-V Sem.

18022
B.C.A. Examination, Dec.-2020
Java Programming and Dynamic
Webpage Design
(BCA-502)

Time : Three Hours] [Maximum Marks : 75

Note : Attempt questions from **all** sections
as per instructions.

Section-A

(Very Short Answer Questions)

Note : Attempt **all** questions. **All** questions
carry equal marks. $3 \times 5 = 15$

1. What is difference between a function and a method?
2. Write an applet to draw square inside a rectangle.

P.T.O.

3. Explain why Java is considered as the best language for Internet Applications.
4. Discuss various primitive data types supported by Java.
5. What do you mean by class and objects? Explain with suitable example.

Section-B

(Short Answer Questions)

Note : Attempt any **two** questions out of the following three questions. $7\frac{1}{2} \times 2 = 15$

6. Define Cookies. Explain the role of HTTP give the supportive example also.
7. What are the packages in Java? Illustrate the appropriate example.
8. Explain the following:
(a) Multi threading 4
(b) Encapsulation $3\frac{1}{2}$

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Section-C

(Detailed Answer Questions)

Note : Attempt any **three** questions out of the following five questions. $15 \times 3 = 45$

9. (a) What is an exception? What are the methods of handling exception in Java. 7
- (b) What is difference between Application and Applet? Explain how will you write a simple applet to display Hello word message. 8
10. What do you mean by Cascading Style Sheet (CSS)? What are the advantage of CSS? How many ways are there to specify style information in a document?
11. What is Servlet? Explain life cycle of servlet. Give the supportive example also.
12. (a) Explain Applet life cycle. Write all method used to create an applet. 7
- (b) Explain Socket. How many types of Socket can be created in Java. Give an example also. 8
13. (a) What is Inheritance in Java? Explain all its type. 7
- (b) What is JSP? Explain all the main component of JSP and advantage of JSP. 8