

S.No. : 33

BCA 2403

No. of Printed Pages : 04

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 21118

Roll
No.

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BCA Examination 2018-19

(Even Semester)

INTERNET AND JAVA PROGRAMMING

Time : Three Hours]

[Maximum Marks : 60

Note :- Attempt all questions.

SECTION - A

1. Attempt all parts of the following : 8×1=8
- (a) What is the job of ISP?
 - (b) Why java is considered dynamic?
 - (c) List two java IDE's.
 - (d) When parse Int method can be used?
 - (e) Which protocol model is used for VOIP?
 - (f) When is string class considered immutable?

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- (g) What is the difference between the reader / writer class hierarchy and the input stream / output stream hierarchy?
- (h) What is the difference between Window and Frame?

SECTION – B

2. Attempt any two parts of the following : $2 \times 6 = 12$
- (a) What is URL? Explain the components. Discuss the structure of HTML document.
- (b) Explain about inheritance in Java.
- (c) Discuss about throwing and catching exceptions.
- (d) Explain main thread under thread class execution.

SECTION – C

Note :- Attempt all questions from this section. $10 \times 4 = 40$

3. Attempt any two parts of the following :
- (a) Explain about packages. Give an example program which uses packages.

- (b) Differentiate between interface and abstract class.
- (c) Why is string class considered immulatable?

4. Attempt any two parts of the following :

- (a) Explain :
 - (i) TELNET
 - (ii) BROWSER

(b) Explain any two guided media.

(c) Explain TCP/IP protocol.

5. Attempt any two parts of the following :

(a) Explain the available data types in Java. What is a static variable?

(b) What is protected access modifier?

(c) How dynamic polymorphism is achieved.

6. Attempt any two parts of the following :

(a) Explain the purpose of following methods :

(i) Join

- (ii) Sleep
 - (iii) Suspend
- (b) Assume that each letter occupies a box fifteen pixels wide by fifteen pixels high. Write an applet which takes a single letter as a parameter and fills the available space with that letter.
- (c) Define a stream. Differentiate between a byte oriented and a character oriented stream.

