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SPECIALIZATION IN CYBER SECURITY (CS)
EXAMINATION : DECEMBER-2025
SEMESTER - VI

Sub: Advanced Java (BCA-641-20/BCA-CS-641-20)

Date : 31/12/2025

Total Marks : 60

Time: 10.00 am to 12.30 pm

Instructions:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagrams wherever necessary.

Q.1. Fill in the blanks.

(5)

- _____ class provides many methods for graphics programming?
 - java.awt
 - java.Graphics
 - java.awt.Graphics
 - None of the above
- API stands for _____.
 - Application Programming Interchange
 - Application Programming Interaction
 - Application Programming Interface
 - None of these
- In swing, Buttons are subclasses of _____ class?
 - AbstractButton
 - JButton
 - Button
 - JRadioButton
- Port number for FTP is _____.
 - 21
 - 23
 - 25
 - 80
- JSP embeds in _____ and _____.
 -) Servlet, HTML
 - HTML, Java
 - HTML, Servele
 - Java, HTML

Q.2. State True/False.

(5)

1. Swing sliders can have major and minor tick marks.
2. Enterprise JavaBeans is used develop scalable, portable business systems
3. Lightweight components are always opaque.
4. We cannot assign borders to JPanels
5. ODBC Stands for Other Data Base Connectivity

Q.3. Answer the following. (Solve any 5)

(10)

1. What is view in MVC?
2. What is heavy weight component?
3. What is network protocol?
4. What is RRL(Remote Reference Layer) in RMI?
5. What is Java Component Model?
6. What is JSlider?

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. Explain in detail JButton.
2. What are the advantages of using Swing over AWT?
3. Explain ODBC?
4. What is SSI?
5. Draw diagram of Hierarchy of the Collection Framework in Java.
6. What is JSP explain in detail.
7. What are cookies? How to create cookies.

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. Write in detail 2 tier and 3 tier model.
 2. What are sockets explain detail?
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