

QUESTION BANK**UNIT 1****INTRODUCTION TO JAVA**

- 1. How ‘compile once and run anywhere’ is implemented in Java, Explain. (4M)**
[July 2014, July 2016]
- 2. List and explain the Java buzzwords. (6M)**
[July 2014, July 2016]
- 3. Explain : i) >>> ii) short circuit logical operators iii) for each. (6M)**
[July 2014]
- 4. Describe the process of building and running Java program. (4M)**
[July 2014, July 2016]
- 5. Explain arrays in java with examples(6M)**
[July 2016,July 2014 Jan 2015]
- 6. What is jump statement? (4M)**
[July 2014,July 15]
- 7. Discuss break and continue(5M)**
[Jan 2015,Jan 2016]
- 8. Explain about JDK(7M)**
[July 2014,July 15,Jan 2016]
- 9. Discuss three OOP principles(6M)**
[Jan 2015,July 15]

UNIT 2**CLASSES, INHERITANCE, EXCEPTIONS, APPLETS**

- 1. Describe the significance of final and super, with examples. (6M)**
[Jan 2014, Jan 2015,Jan 2016]
- 2. What is an exception? Explain the different exception handling mechanisms, with an example, (8M)**
[Jan 2014, July 2015]
- 3. Write an applet program to display the message “VTU BELGAUM”. Set the background color to cyan and foreground color to red. (6M)**
[Jan 2014,Jan 2016, July 2016]
- 4. Why overriding methods are used in java? Example(8M)**
[July 2016, July 2015]
- 5. What is meant by instance variable hiding? How to overcome it?**

public static void main (String args[]) { Motorcycle m = new Motorcycle(); m.make = "Yamaha RZ350"; } (4M) [July 2014, Jan 2016]

- 6. Explain constructor method.how it differs from other member function(5M)** [Jan 2014, July 2014]
- 7. What is an applet? Different stages of an applet(8M)** [July 2014, Jan 2015 Jan 2016]
- 8. Difference between method overloading & overriding(6M)** [July 2015]

UNIT 3

MULTI THREADED PROGRAMMING, EVENT HANDLING

- 1. What is synchronization? Explain with an example, how synchronization is implemented in Java. (6M)** [Jan 2014, July 2016, Jan 2015]
- 2. What is producer – consumer problem? Explain the solution for producer – consumer problem with a program. (8M)** [Jan 2014, July 2016, Jan 2015]
- 3. What is delegation event model? Describe the significance of adapter class, with an example. (6M)** [Jan 2014, Jan 2016, July 2016]
- 4. What is meant by multithreaded programming? Explain with an example interthread communication(10M)** [July 2014, Jan 2014, Jan 2016]
- 5. What is meant by thread priority? How it is assigned(6M)** [July 2014 Jan 2015]
- 6. Explain action event class & adjustment event class(4M)** [July 2014 Jan 2015]
- 7. Short notes on static, Final, Abstract, Native (10M)** [July 2015, Jan 2016]
- 8. What is a thread ? explain 2 ways of creating thread(10M)** [July 2014, July 2015]

UNIT 4
SWINGS

1. **What is swing? List the main swing features. Explain the different types of panes of swing containers. (10M)** [Jan 2014, July 2016, July 2015]
2. **Create a swing application having two buttons named alpha and beta. When either of the buttons pressed, it should display “alpha pressed” and “beta pressed” respectively. (10M)** [Jan 2014,July 2015,Jan 2016]
3. **List the different types of swing buttons. Write a program to create four types of buttons on JApplet. Use suitable events to show actions on the buttons and use JLabel to display the action invoked. (10M)** [Jan 2014, July 2016]
4. **Write the steps to create Jtable. WAP to create a table with the column headings Name, USN, age, address & insert records and display(10M)** [July 2014,Jan 2015]
5. **Difference between swings and AWT(10M)** [Jan 2015,July 2014,Jan 2016]

UNIT-5
J2EE OVERVIEW, DATABASE ACCESS

1. **Explain the four types of JDBC drivers. (10M)** [July 2014,July 2016]
2. **Describe the various steps of JDBC with code snippets. (10M)** [Jan 2015, July 2014].
3. **Explain : i) callable statement ii) prepared statement. (10M)** [Jan 2014,Jan 2016]
4. **Explain J2EE architecture(10M)** [July 2016 ,Jan 2014,Jan 2016]
5. **Write a note on resultset(10M)** [July 2016 Jan 2015]
6. **Explain different type of statement object.(10M)** [July 2015,Jan 2016]

UNIT-6
SERVLETS

1. **Explain the different stages in the life cycle of a servlet. (6M)** [Jan 2014, July 2016 , Jan 2015]
2. **What is a cookie? List out the methods defined by cookie. Write a program to add a cookie. (8M)** [Jan 2014, July 2016, July 2015, Jan 2015]

3. Write a program to describe parameter reading using servlets.(6M)
[Jan 2014, Jan 2015, July 2016]
4. Write a note on HTTP status codes.(4M) [July 2016, July 2015, Jan 2016]
5. Explain use of session information in servlets(6M) [July 2014, Jan 2016]
6. Write short notes on HTTP request & HTTP response (5M) [July 2014]

UNIT-7
JSP, RMI

1. Define JSP. Explain the different types of JSP tags by taking suitable examples.
(10 M) [Jan 2014, July 2016 , Jan 2015]
2. What is RMI? Describe with code snippet RMI at server side. (10M)
[Jan 2014, July 2014, Jan 2015, Jan 2016]
3. Difference between servlet and JSP?(6M) [July 2016, July 2015, Jan 2016]
4. Write a note on request string(4M) [July 2014, July 2015]
5. WAP to create & read cookie called EMPIID that has a value of AN2356 (10M)
[July 2015, Jan 2016]

UNIT-8
ENTERPRISE JAVA BEANS

1. What is deployment descriptor? List the deployment descriptor for EJB1. (6M)
[Jan 2014, July 2016, Jan 2015]
2. With a skeleton, explain entity Java bean. (6M) [Jan 2014, July 2016 , Jan 2016]
3. Explain : i) JAR file ii) Stateless bean versus stateful bean. (8M)
[Jan 2014, July 2016, Jan 2015]
4. Difference between stateless and stateful session bean(4M) [July 2014, Jan 2016]
5. Write a note on message driven bean(4M) [July 2014, Jan 2016]