



DBB-003-007402 **Seat No. _____**
M. C. A. (Sem. - IV) (CBCS) Examination
May / June - 2015
Paper : CCA4002 – Advanced Java

Faculty Code : 003
Subject Code : 007402

Time : **2 $\frac{1}{2}$** Hours] [Total Marks : **70**

1 Attempt the following multiple choice questions: **15**

(1) The int read() method returns _____ when the end of file is encountered.

(A) -1 (B) 0
(C) 1 (D) None of these

(2) InputStreamReader class is used to convert

(A) Bit to bytes (B) Integer to character
(C) Byte to character (D) None of these

(3) The File class is provided by

(A) java.lang package (B) java.io package
(C) java.awt package (D) None of these

(4) In java networking is supported by

(A) javax.net (B) java.net
(C) (A) and (B) both (D) None of these

(5) TCP is _____ oriented service

(A) Connection oriented
(B) Connection less
(C) (A) and (B) both
(D) None of these

(6) UDP is _____ oriented service.

(A) Connection oriented
(B) Connection less
(C) (A) and (B) both
(D) None of these

(7) The preparation of datagram is dealt by _____ class

(A) socket (B) DatagramPacket
(C) Service (D) All of the above

(8) To execute a dynamic SQL statement, which of the following is used

(A) PreparedStatement (B) CallableStatement
(C) (A) and (B) both (D) None of these

(9) An SQL statement with OUT parameter is handled by _____

(A) PreparedStatement (B) CallableStatement
(C) (A) and (B) both (D) None of these

(10) Servlet is a _____ programming.

(A) Server side (B) Client side
(C) (A) and (B) both (D) None of these

(11) Which of the following class is used to create a servlet ?

(A) HttpServlet (B) HttpClient
(C) HttpService (D) None of these

2 Attempt any five of the following: **15**

- (1) write a JSP that will do the square for the given number.
- (2) Explain JColorChooser
- (3) Briefly explain port.
- (4) What is mvc architecture? Which architecture is used by java swing? Explain in brief.
- (5) Briefly explain the servlet life cycle.
- (6) Give the advantage of JSP over servlet.

3 Attempt **any three** of the following: **15**

- (1) Write a java program to create a table in access named marks with no, m1, m2, m3, m4, total as fields.
- (2) Briefly explain JOptionPane with suitable example.
- (3) What is record set? Explain in brief.
- (4) List the different methods of InetAddress, Explain any two of them.

4 Attempt **any two** of the following: **15**

- (1) Write a servlet applet, that read a text file named stud.txt with no, name and sex data separated by comma, and print it on the client side.
- (2) Write a java program that will create an application which consists serve and a client. Server listen the message from the client and echo it again to the client.
- (3) Create a JSP, that will read the no, name, m1, m2, m3, m4 and m5 from the client and perform the total (i.e. $m1+m2+m3+m4+m5$) and percentage i.e. $total/5$ and displays it on the client screen.

5 Attempt **any one** of the following: **10**

- (1) What is RMI? Implement the rmi in java with suitable example.
- (2) What is JDBC drivers? List and explain the different types of JDBC drivers.