



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

- 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. $\text{total}/5$ 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.