

(Following Paper ID and Roll No. to be filled in your Answer Books)

PAPER ID :

Roll No.

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M.C.A. (Dual Degree)

THEORY EXAMINATION 2015-16

INTERNET & JAVA PROGRAMMING

Time : 3 Hours

Total Marks : 100

SECTION–A

1. Attempt all the parts of the following: 2x10
- (a) How is Java more secured than other languages?
 - (b) What are collections (or containers) in object oriented program design
 - (c) In your opinion, why is Java considered important to internet?
 - (d) What do you mean by user defined exception?
 - (e) What do you mean by inheritance?
 - (f) How many types of socket available I Java?
 - (g) What do you mean by method invocation?
 - (h) Name the boarders provided by Swing.
 - (i) Explain briefly about Thread Safe Servlets.
 - (j) Define RMI.

SECTION–B

2. Attempt any five parts of the following: 10x5
- (a) Write a short note on sending and receiving secure E-mail protocols.

- (b) Explain the working of IP Telephony with an example.
- (c) Explain how an ISP gets chosen.
- (d) What is difference between implicit and explicit important statements? Which one take less time for compilation and why? Discuss the life cycle of Applet program for displaying “I am here” at the middle of the applet.
- (e) Write a program for displaying a frame and place a level at the middle of the frame with help of border layout manager.
- (f) Write a program in Java to create a button using Swing; on clicking on this button the current application should close. Explain the output also.
- (g) What is JDBC Driver? Explain all the functions of a JDBC Driver and their advantages and disadvantages.
- (h) List all the properties of Java Beans. Explain any two of them with suitable example (program). Explain the role of manifest and jar files.

SECTION–C

- 3. Discuss about the event-delegation model in Java AWT. How many layout managers available in Java? Discuss.
- 4. What are wildcards in SQL? If you want to use the percent sign (%) as the percent sign and not have it interpreted as the SQL wildcard used in SQL LIKE queries, how to do that?
- 5. What is a servlet? Explain the three methods available in Java that play an important role in the life cycle of a servlet.