

Roll No.

Total No. of Questions : 11] [Total No. of Printed Pages : 4

RJ-404

M.Sc. 3rd Semester (NEW / ATKT)

Examination - 2018

COMPUTER SCIENCE

Paper-IV

Adv. Java Programming

Time : 3 Hours] [Maximum Marks : 85

Note : All questions are Compulsory.

Section-A

(Objective Type Questions)

Note : Objective type 5 questions of 3 marks each.
 $5 \times 3 = 15$

1. Choose the correct answer.

- (i) A JSP page consists of which tags-
- (a) HTML tags
 - (b) JSP tags
 - (c) Both (a) and (b)
 - (d) None of the above

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(1)

Turn Over

- (ii) The Java. servlet. JSP package has two interface find in the following:
- (a) jsp Page
 - (b) Http Jsp Page
 - (c) Jsp writer
 - (d) Both (a) and (b)
- (iii) The JSP include directive is used to include the contents of any resource it may be-
- (a) jsp file
 - (b) html file
 - (c) Text file
 - (d) all above
- (iv) In JSP Action tags which is used to include the content of another resource it may be Jsp. html or servlet. <http://www.onlinebu.com>
- (a) jsp : include
 - (b) jsp : forward
 - (c) jsp : plugin
 - (d) jsp : papam
- (v) Which method of the Naming class (found in java. rmi) is used to update the RMI registry on the server machine.
- (a) robin ()
 - (b) lookup ()
 - (c) Both (a) and (b)
 - (d) None of the above

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(2)

Section-B**(Short Answer Type Questions)**

Note : Short Answer Type 5 questions of marks each with internal choice. 5×5=25

2. Define multithreading programming.
or
Write the use and advantages of Swing in java.
3. What is the use of filter Input stream class?
or
Specify whether swing components are light weight components or heavy weight components.
4. What is the basic principle of RMI architecture?
or
Write two differences between RMI and CORBA.
5. What is the differences between doGet () and doPost ()?
or
What are implicit objects?
6. How does Servlet- differ from wan applet?

Section-C**(Long Answer Type Questions)**

Note : Long Answer Type 5 questions of 9 marks each with internal choice. 5×9=45

RJ-404**(3)****Turn Over**

7. Discuss the complete life cycle of a thread.

or

Enumerate the rules for creating identifies in Java.

8. Explain the concept of object Serialization with an example.

or

Write the short note on CORBA.

9. Define bean. How many types of events are there in bean box explain.

or

Explain the role of stubs and Skeletons in RMI.

10. Explain the mechanism used for Session tracking.

or

Write the features of different types of SDBC driver.

11. Explain the 3D graphics features supported in java.

or

What is e-Commerce? What are its major advantages over traditional business?

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