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Total No. of Pages : 02

Total No. of Questions : 09

M.Sc.(IT) (2015 Batch) (Sem.-3)

JAVA PROGRAMMING

Subject Code : MSIT-303

Paper ID : [74068]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students has to attempt any ONE question from each SECTION.
2. SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.
3. Use of non-programmable scientific calculator is allowed.

SECTION-A

1. List the similarities and differences between C++ and java.
2. What are different data types in java and explain their features?

SECTION-B

3. What is multithreading where it is used? Elaborate using suitable example.
4. Define package and use of it in java elaborate using suitable example.

SECTION-C

5. Write a program to pass parameter to the applet.
6. What are the different drivers used in database connectivity in JDBC? Explain.

SECTION-D

7. What is the use of Servlet? Also discuss advantages of Servlet on other existing technologies.
8. What is the difference between TCP sockets and UDP sockets? Elaborate with example.

SECTION-E**9. Write short note on followings :**

- a) Explain java literals.
- b) Garbage collection.
- c) How to create new object in java?
- d) What are Wrapper classes?
- e) Define Interfaces and what is the need in java.
- f) Differentiate equals () and compare To() string methods.
- g) What is thread and any three methods related to thread?
- h) What are the different steps in Life cycle of applet?
- i) Explain do Get() method of Servlet.
- j) Define socket and explain client server socket.