

Summer Term End Examination - July 2013

Class NBR : 1433 Slot : C

Course Code : ITE311

Course Title: Network Programming

Time: Three Hours

Max.Marks:100

PART - A (8 X 5 = 40 Marks) Answer ALL Questions

- State the reasons for preferring Java for network programming.
- 2. Explain the working of HTTP protocol.
- 3. Write short notes on thread pools.
- 4. Briefly explain the URLEncoder class and URLDecoder class.
- 5. Explain the various class of service provided by Socket class.
- 6. List and explain the various Socket Exception class.
- 7. List and explain the various socket options of DatagramSocket class.
- 8. List and explain the attributes of JavaMail API.

$PART - B (6 \times 10 = 60 \text{ Marks})$ Answer any <u>SIX</u> Questions

- 9. Explain in detail about HTTPS.
- 10. Write short notes on W3C and IETF.
- 11. List and explain the steps involved in establishing a secure socket connection.
- 12. List and explain the steps involved in opening an URLConnection.
- Write a Java program to calculate the average marks of 5 subjects for 20000 students using thread concept and also polling method should be used to avoid race condition.
- Write a Java one-to-one chat program using UDP DatagramChannel.
- 15. Write a Java RMI program to calculate the area of square.
- Write a Java program to send an email using JavaMail API.

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