

Question Paper



MANIPAL UNIVERSITY

SCHOOL OF INFORMATION SCIENCES (SOIS)
FIRST SEMESTER MASTER OF ENGINEERING - ME (BIG DATA AND DATA ANALYTICS)
DEGREE EXAMINATION - APRIL 2017
Saturday, 22,2017
Time :10:00AM- 1:00PM

Large Scale Distributed Computing Systems [BDA 603]

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) What are grid computing systems? (10)
- 2) Describe pervasive computing systems. (10)
- 3) What do you mean by context switch and describe how it takes place? (10)
- 4) Explain the working of Multitier Architecture in distributed systems with an example. (10)
- 5) Explain the working of Edge-Server systems and collaborative distributed systems. (10)
- 6) Explain the significance of having Multithreaded Servers in distributed systems. (10)
- 7) Explain the role of a client machine in a networked application by taking X-Window system example. (10)
(2+8)
- 8) What is code migration? Explain the importance of code migration in distributed systems. (10)
- 9) Write a note on the different types of communication that a middleware can offer to applications. (10)
- 10) Explain the steps involved in doing a remote computation through RPC. (10)