Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

SCHOOL OF INFORMATION SCIENCES

FIRST SEMESTER MASTER OF ENGINEERING - ME (CLOUD COMPUTING)
Cloud Architecture and Management [CDC 605]

Marks: 100   **Duration: 180 mins.**

END SEMESTER DEGREE EXAMINATION NOVEMBER 2018

Answer all the questions.

1)   Briefly explain how Grid computing works with suitable block diagram   (10)

2)   Briefly explain Cluster computing models with suitable block diagram   (10)

3)   List the pros and cons of Cloud computing   (10)

4)   List service models of Cloud computing with suitable examples   (10)

5)   Briefly explain advantages of Virtualization techniques with suitable example and also mention types and its subtypes of Virtualization techniques   (6 + 4 MARKS)   (10)

6)   Briefly explain how Virtual networking works with suitable diagram and also mention types of Standard Virtual switches   (10)

7)   Briefly explain management category of services available in AWS for managing your Cloud Infrastructure   (10)

8)   Briefly explain architecture to set up Fast responsive and Redundant RDS instance in AWS with suitable example   (10)

9)   Briefly explain Following AWS services with suitable example   (10)

(2.5 * 5 = 10 MARKS)

a)   VPC

b) S3 bucket

c) Cloud Front distribution

d) Route 53

10) Briefly explain the architecture of Docker and how to containerize application with suitable example (10)

-----End-----