SUBJECT CODE NO:- P-507
FACULTY OF ENGINEERING AND TECHNOLOGY
B.E.(CSE) Examination MAY/JUNE-2016
Elective-I: Cloud Computing
(Revised)

[Time:Three Hours]   [Max Marks:80]

"Please check whether you have got the right question paper."

N.B   i) Q.No.1 and Q.No.6 are compulsory.
             ii) Attempt <u>any two</u> questions from the remaining in each section.

Section A

Q.1   Solve <u>any two</u> questions.
        i)   Write in detail about business process as-a-service.   05
        ii)   Explain cloud service models in detail.   05
        iii)   Write short note on grid computing.   05

Q.2   a)   Define web service. Explain SOAP and REST environment in detail.   08
        b)   Explain parallel and distributed computing in detail.   07

Q.3   a)   Explain in detail software as-a-service. Also mention benefits and draw backs of SaaS.   08
        b)   Explain network virtualization in detail.   07

Q.4   a)   What is infrastructure as-a-service? Explain Amazon EC2 in detail.   08
        b)   What is cloud computing? Explain benefits and risks in cloud computing.   07

Q.5   a)   Explain communication as a service in detail.   08
        b)   What is virtualization? Explain pros and cons of virtualization.   07

Section B

Q.6   Explain following terms in detail. (<u>any two</u>)   10
        i)   Disaster recovery in cloud.
        ii)   Hive project in Hadoop.
        iii)   Data security and storage in cloud.

Q.7   a)   What is big data? Enlist various challenges in handling big data.   08
        b)   Explain information security concerns associated with data storage in cloud.   07

Q.8   a)   Explain HDFS file system of cloud with detailed architecture.   08
        b)   Explain the term context aware services while performing service discovery.   07

Q.9   a)   What is WAP? Explain WAP protocol state in detail.   08
        b)   Explain terms location awareness and push services in detail.   07

Q.10   a)   Explain parallel efficiency of map reduce model in detail.   08
        b)   Explain different aspects of data security in cloud.   07

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