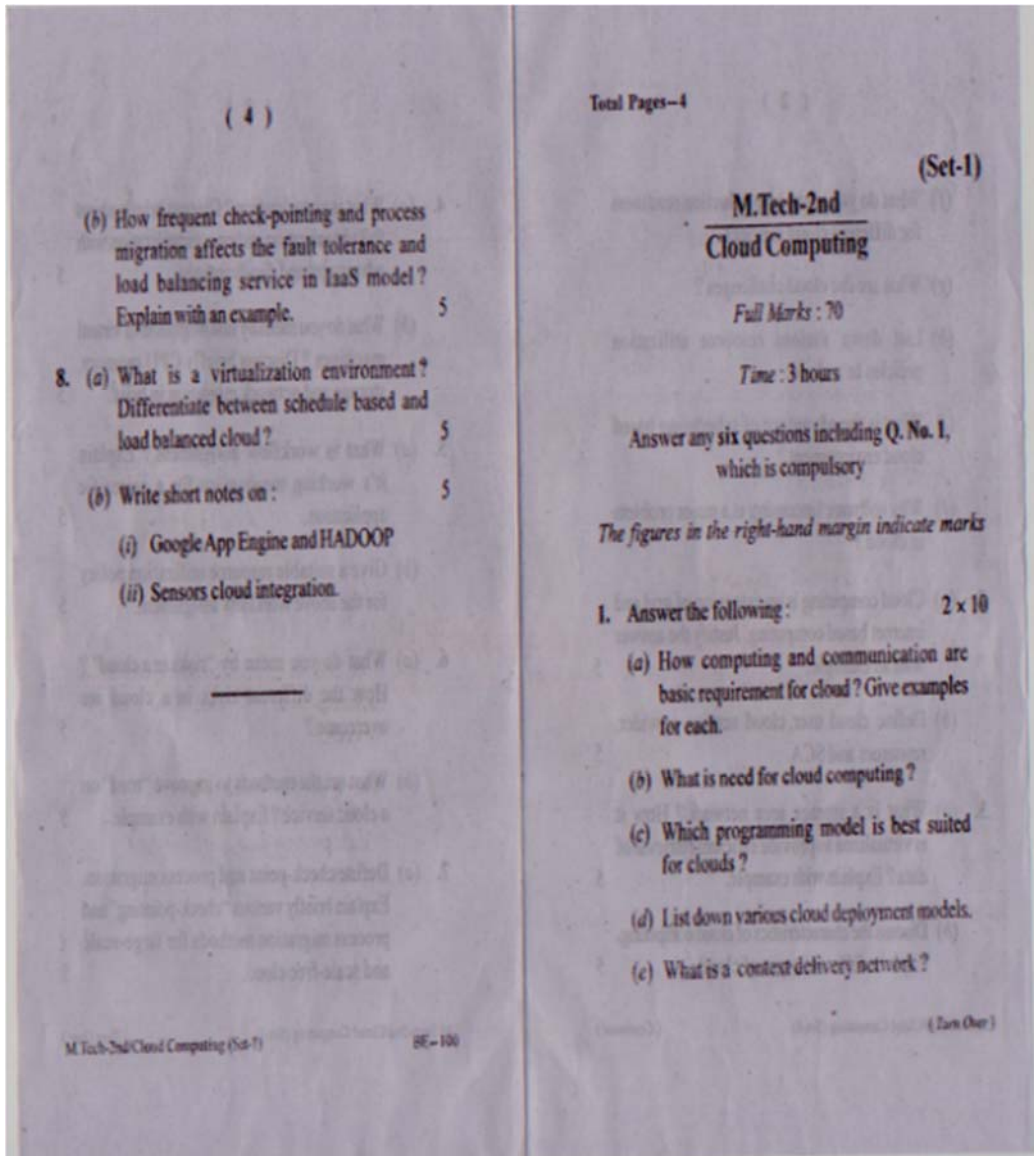


VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
& INFORMATION TECHNOLOGY
SESSION 2014-2015 (EVEN SEMESTER)



- (f) What do you mean by production readiness for different cloud services?
- (g) What are the cloud challenges?
- (h) List down various resource utilization policies in a cloud.
- (i) What is the advantage of scheduling based cloud environment?
- (j) Why software licensing is a major problem in cloud?
2. (a) Cloud computing is an extension of grid and internet based computing. Justify the answer with an example. 5
- (b) Define cloud user, cloud service provider, resources and SCA. 5
3. (a) What is a storage area network? How it is virtualized to provide efficient retrieval of data? Explain with example. 5
- (b) Discuss the characteristics of cloud computing. Explain different types of cloud. 5

4. (a) What is virtualization? Discuss briefly about full virtualization and para virtualization with advantages and disadvantages. 5
- (b) What do you mean by live migration of virtual machines? Discuss briefly CPU memory, storage and network migration in brief. 5
5. (a) What is workflow assignment? Explain its working mechanism for a scientific application. 5
- (b) Give a suitable resource utilization policy for the above workflow assignment. 5
6. (a) What do you mean by "risks in a cloud"? How the different risks in a cloud are overcome? 5
- (b) What are the methods to improve "trust" on a cloud service? Explain with example. 5
7. (a) Define check-point and process migration. Explain briefly various "check-pointing" and process migration methods for large-scale and scale-free cloud. 5