

Important: This is an open book test. You can use any books, notes, or paper but no electronic device. *Do not log into the computer during the test, or use any electronic or communications device. Change your cell phones to silent mode.* Any calculations and rough work can be done on the back side of the test pages. If there is a syntax error in any program segment, just write it down and you will get full credit for the problem. You will lose five points for not writing your name.

1. [6 pt] One of the advantages of cloud computing is in *refined use of personnel*. Is there any downside to this? Explain with an example.

2. [6 pt] Briefly explain the stack components of IaaS.

3. [8 pt] Comment on the security and regulatory aspects of a public cloud.

4. [6 pt] Why do we need the applications in the cloud to be stateless?

5. [6 pt] One of the questions to be asked to architect an application for the cloud is the location where an application will be used. Give an example of two applications: one where the location of use is important and another where it is not. Briefly explain the reason for your choice.
6. [6 pt] A company is considering the use of a public cloud to manage source version control of their code base. Comment on the advantages and disadvantages of this approach.

7. [6 pt] How can you leverage the use of XML in RESTful services?