

Gandaki College of Engineering and Sciences
Lamachour, Pokhara-16
April 2014

Subject: EAA
Time: 60 minutes

Test 1
SET-A

FM: 25
PM: 10

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all questions

1. What is an Enterprise Architecture. Discuss about enterprise architecture framework with an example. 5
2. How is distributed VCS (e.g. git) better than centralized VCS (e.g. SVN) . Explain. 5
3. How would you represent the following JSON data in XML format? 5

```
var student = [{  
  "name" : "Tom", "age" : "15", "address" : "Pokhara"  
},  
{  
  "name" : "Mary", "age" : "10", "address" : "Kathmandu"  
}];
```

4. Case Study: 10
Online Hotel reservation system is used by a customer to search hotel as per their criteria. If the system shows a hotel as per their preference then the customer makes a reservation by paying for it via credit card. Also, the system facilitates the customer by allowing them to cancel reservation. The hotel Admin monitors the reservations and cancellations and updates the hotel reservation information.

For the above scenario, develop the following artifacts:

- a. Use case model with at least one include and extent relation where ever required.(4)
- b. Domain Model (2)
- c. Sequence Diagram(2)
- d. Class Diagram.(2)