



FACULTY OF MANAGEMENT
NOVEMBER 2014 EXAMINATION

DEPARTMENT OF APPLIED INFORMATION SYSTEMS

<u>MODULE</u>	: SYSTEMS & INFRASTRUCTURE LIFE CYCLE MANAGEMENT
<u>CODE</u>	: PGD 006
<u>DATE</u>	: NOV 2104
<u>DURATION</u>	: 3 HOURS
<u>TIME</u>	: 08.30 AM
<u>TOTAL MARKS</u>	: 100

<u>EXAMINER</u>	: Dr VENU KUTHADI
<u>MODERATOR</u>	: Ms V.SREEDEVI
<u>NUMBER OF PAGES</u>	: 2 PAGES

INSTRUCTIONS TO CANDIDATES:

- Read the questions carefully
- This is a closed book assessment
- Number your answers clearly
- Write neatly and legibly
- The general University of Johannesburg policies, procedures and rules pertaining to written assessments apply to this assessment.

ANSWER THE FOLLOWING QUESTIONS

1. Summarize the different phases of traditional systems Development life cycle Approach. **[10]**
2. How IS auditors are involved in the software acquisition process and explain what kind of items present in signing document or contract. **[10]**
3. How the software architecture will satisfy system requirements and outline the key design phase activities. **[08]**
4. Why testing is an essential part of the development process and formulate the elements of the software testing process. **[08]**
5. Discuss the four categories of data file control procedures. **[08]**
6. Discuss the purpose of program debugging during the system development process. **[08]**
7. What are the potential risks that can occur when designing and developing software systems? **[08]**
8. List different types of change over or go-line techniques and discuss the risk areas related to changeover. **[08]**
9. Formulate business process reengineering and discuss the advantages and steps in a successful BRP. **[08]**
10. Discuss Bench marking process, explain how the bench marking exercise is performed by the team members. **[08]**
11. Illustrate processing control techniques that can be used to address the issues of completeness and accuracy of accumulated data. **[08]**
12. When purchasing or acquiring hardware and software from vendor, what criteria should be considered in the evaluation process. **[08]**