

THE OPEN UNIVERSITY OF SRI LANKA
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
B.Sc. DEGREE PROGRAMME 2013/2014
FINAL EXAMINATION
CPU3148: MANAGEMENT INFORMATION SYSTEMS
DURATION: TWO HOURS ONLY (2 HOURS)



30th November, 2014

Time: 1.30 p.m. to 3.30p.m.

Answer **FOUR** Questions **ONLY**.

Q1).

- a) An organisation has realised that the majority of its users have poor Internet access when it comes to access speeds. What aspects of Human Computer Interaction (HCI) should the organisation concentrate on in order to improve the performance of the system for the users bearing in mind the slow access speed?
- b) Explain with examples what is meant by the term “legacy system”?
- c) How can an organisation enhance its web site that is used primarily by users who are visually impaired?

Q2).

- a) A management of a large company needs to be convinced that a proposed information system is feasible. Describe what aspects need to be considered and included in a feasibility report.
- b) After the feasibility report has been approved, discuss the stages and techniques that will be used to design and develop this system.
- c) What is the purpose of CASE tool in systems development?

Q3).

With the increased use of Social Networking, there are reports that companies are monitoring their employees on Social Media sites

- a) Briefly explain what is meant by the following terms in relation to the given context:
 - i) Ethics
 - ii) Social networking / Social Media
- b) Do you agree or disagree with companies monitoring their employees’ activities on social networking sites and discuss why a company might do so?

Q4).

- a) Discuss the organisational structure of a typical company.
- b) What additional departments would you expect to find in a company that develop software?
- c) Describe what is business process re-engineering?

Q5). Access control consists of all the policies and procedures a company uses to prevent improper access to systems. To gain access to a system a user must be authorized and authenticated

- a) Briefly explain with examples what is meant by authorized and authenticated
- b) Most systems use usernames and passwords as their primary security mechanism. Discuss what rules you would use for the creation of passwords
- c) How would you enforce what you have recommended in a) above?

Q6).

- a) A large power tool company has merged with several of its small competitors. It requires a new information system. Explain what systems development methodology you would use and give reasons for choosing that methodology?
- b) Briefly describe the following systems development methodologies and identify their main strengths and weaknesses:
 - i. Waterfall model
 - ii. Prototyping

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