

Two hours - online

The exam will be taken on line.
This paper version is made available as a backup
In this event, only MCQ answers written in the boxes on the exam paper will be marked.

EXAM PAPER MUST NOT BE REMOVED FROM THE EXAM ROOM

**UNIVERSITY OF MANCHESTER
SCHOOL OF COMPUTER SCIENCE**

Software Engineering Concepts in Practice

Date: Tuesday 23rd January 2018

Time: 09:45 - 11:45

Please answer all Questions.

This is a CLOSED book examination

The use of electronic calculators is NOT permitted

[PTO]

*Q1 – Q25 contain
Multiple Choice
Questions and are
restricted*

26. Explain McConnell's General Principle of Software Quality and how the apparent paradox is not an actual paradox. (Your essay should be under 500 words. Please use concrete examples.) (5 marks)

27. In under 500 words, discuss the implications of the fact that *the design (of software) is a wicked problem on the staging of various project activities (e.g., problem definition, requirements gathering, architecture, construction, etc.)*. Concrete examples are encouraged.

(5 marks)

28. According to Ray Sinemma, testing can be based on a 5W+H approach. One of the 5W's is **Why** we do testing. Expand on the reasons of **why** we do testing, providing an example for each of the reasons.

(5 marks)