NANYANG TECHNOLOGICAL UNIVERSITY

SEMESTER 1 EXAMINATION 2005-2006

SC131 – Engineers & Society

November 2005   Time Allowed: 2½ hours

INSTRUCTIONS

1.   This paper contains **FOUR (4)** questions and comprises **TWO (2)** pages.

2.   Answer **ALL** questions.

3.   Answers must be based on relevant facts and examples located in the context of Singapore society.

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1.   Professional associations for computer engineers prescribe a code of ethics. Discuss how effective such codes are for handling ethical issues.

(25 marks)

2.   Are computer engineers professionals? In your answer, ensure you demonstrate knowledge of the criteria of professions, and how these apply to the scope of work and responsibilities of computer engineers.

(25 marks)

3.   *Singapore is in a competitive race with other countries. It is no longer a matter of moving first, but of moving faster – ahead of others to stay relevant and competitive. It is all the more important that we take a look at the role that infocomm can play to help Singapore stay highly competitive...keep Singapore in the fore.* (Lam Chuan Leong, Chair, iN2015 Steering Committee.)

Singapore intends to become a hub for IT as its new niche area to keep ahead amidst intense competition. Discuss Singapore's strengths and weaknesses with regard to this ambition.

(25 marks)

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4.   In most countries, a house is a home, a place where people stay. In Singapore, a house is much more than this. It is a tool of nation building. How does the government use public housing as such a tool?

(25 marks)

End of Paper