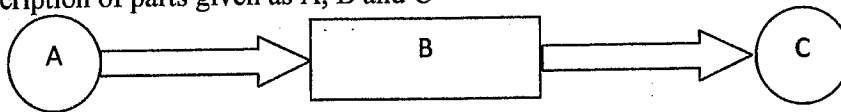


UVA WELLISSA UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY
END SEMESTER EXAMINATION – SEMESTER I – 2007/2008
CST101-3 INFORMATION TECHNOLOGY - PART A

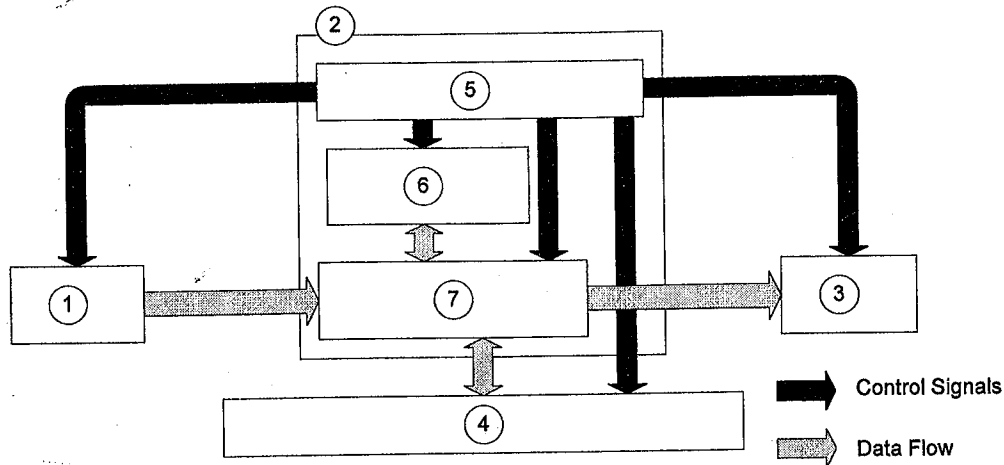
Time Allowed: **TWO HOURS**

Answer **All** Questions

1. a. The following figure shows a simplified representation of a Computer System. Write a short description of parts given as A, B and C



- b. What is illustrated in the figure below?



- c. Identify the parts of the above diagram. Name them in order.
 d. Give function(s) of each component listed in the above figure.
2. Convert the following decimal numbers into binary numbers. Show your steps
- a. 112 b. 34.5625 c. -37 (in 2s complement)
 d. 254 e. 15.33
3. Write short notes on the following topics.
- a. ASCII b. Serial Communication c. Unicode d. Internet
4. a. What is meant by a computer network?
 b. Draw simple diagrams illustrating the three basic network topologies
 c. Describe Odd parity and Even parity
 d. What is the network topology used in Internet? Justify your answer.

--END--

EXAMINATIONS BRANCH
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