ast node to

nd returns

ably linked

with char-

g order by

Vavuniya Campus of the University of Jaffna

First Examination in Information and Communication Technology - 2014

Second Semester - February/March 2016

ICT1262 Practical for Operating Systems

Auswer All Questions

Allowed Time: Three hours

- Write a shell script file and name it with your index number (e.g. IT1294.sh) to perform each of the following tasks:
 - (a) Print the current time.

[05%]

(b) Print proper Greeting message (If current time is between 0.00 a.m - 12.00 noon, then Good Morning else Good Evening).

[20%]

(c) Read a name and year of birth from the user and print it.

[05%]

(d) Print a welcome message with the name and the age.

[20%]

- 2. Write two C programs namely A and B to implement each of following requirements: using message queues:
 - (a) First run the program A that needs to send a message "Hello B!" to program B using the message queue and print it in program A.
 - (b) Next run the program B and if it has received the message "Hello B!" then send : a message "Hello A, How are You?" to A, else send "Hello A, Can you hear me?" and print it in Program B.

[This question is continued on next page]

(e) Run Program A again and if it has received "Hello A, How are You?" then print "Fine. Thank you." else if it has received "Hello A, Can you hear me?" then print "Lond and Clear!", else if no messages have been received then send a message "Hello B!" using the message queue and print it.

[609