SOAL3

ICT4LT

FINAL TEST OPEN BOOK NO LAP-TOP (100 menit)

Name: _____Student ID #: _____

You do not need any extra paper, write down all your answers right here ! Use the back page if necessary.

1. Why should we learn about ***ICT*** (*10 points*):

3. List 6 (six) examples of the teaching format (*5 points*):

Talk and chalk		

4. List 6 (six) aspects to support the teaching skills (*5 points*):

Experience		

5. In one of your group assigments, your group has made a visit to an **ICT** facility for education (*10 points*):

(a) Name the **ICT** facility your group has visited: _____

(b) List 2 (two) examples of *hardware*, *software* and *humanware* aspects at the **ICT** facility:

hardware aspects	*software aspects*	*Humanware aspects*

6. Your group has interviewed a practicing teacher to make an assessment on her/his mastery in **ICT** and how he/she uses the **ICT** to support his/her job (*10 points*):

(a) The teacher's name: _____ place of work: _____

(b) His/her mastery of **ICT** is (*circle only one answer*):

***** Extra Ordinary ***** Good ***** Not Quite Good

(c) Explanation of 6(b):

(use the back page if necessary)

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7. A society where the majority of its population earn their living as **information workers** is called an _____ society (*5 points*). What do **Information workers** do for living? (*10 points*) *Answer*: They _____

_____

_____

Examples of **information workers** are (give three more): Teachers, _____

_____

8. There are 3 (three) levels of Information Systems, from the lowest to the highest (*10 points*):
   1. _____- based Information Systems
   2. _____ - based Information Systems, and
   3. _____- based Information Systems

8. What **mode** of communication did **Shannon** and **Weaver's model** of communication originally represent? *Answer*: _____mode. **2 (two)** other **modes of communication** derived from the same model are: (a) _____ and (b) _____ (*10 points*)

9. The smallest unit of information is _____ stands for (an abrreviation of) _____? (*5 points*)

10. Create 16 (sixteen) different "*4-bit binary codes*" to identify 16 different persons (*10 points*):

A: **0 0 0 0**	E:	I:	M:
B:	F:	J:	N:
C:	G:	K:	O:
D:	H:	L:	P: **1 1 1 1**

11. Write down your answers below, or use the back page if necessary:

(a) If each **letter** or **character** is coded into a **10 bit binary code** of information, every **word** is made up from **5 letters** in average, and the content of every **page** is about **500 words** in average, how many **bits** of information are there contained in a **250-page** book? (*5 point*).

(b) How many books about the same size as described in 11(a) can fill up an **8 GB Flash Disk**? (*Note*: **1 B(yte)** = **10 b(its)**, so **8 GB** = **80 Gb**)(*5 point*).

Answer:

11. (a)