

## ICT4LT

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

Name: Abdul Rahim R Student ID #: 12B01189

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):

In recent day, we are in modern era. as human who live in modern era. we should know and mastery ICT. As a teacher in this era must be able to operate computer, to access internet, so we can make learning process be easier and enjoyable.

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

Talk and chalk	Text - examination	Mastery apprenticeship
DRILL - Practice	Study Circle	Prudentation

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

Experience	Methodologi	'Style'
Knowledge	Environment	Talent

## 5. In one of your group assignments, 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
Monitor	Linux	Students
CPU	Microsoft Office	Teacher

## 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: Dra. Jitti Barrio place of work: MAN Majene

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

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

(c) Explanation of 6(b):

- She can present the material by using power point.
- She can use Lcd and projector.
- She can apply ICT in delivering assignment to her students.

(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 information society (5 points). What do **Information workers** do for living? (10 points) Answer: They processing, producing and distributing the information.

Examples of **information workers** are (give three more): Teachers, students, engineers and operator.

8. There are 3 (three) levels of Information Systems, from the lowest to the highest (10 points):

1. Manual - based Information Systems
2. Computer - based Information Systems, and
3. Network - based Information Systems

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

9. The **smallest unit** of information is 1 bit stands for (an abbreviation of) binary digit. (5 points)

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

A: 0000	E: 0100	I: 1000	M: 1100
B: 0001	F: 0101	J: 1001	N: 1101
C: 0010	G: 0110	K: 1010	O: 1110
D: 0011	H: 0111	L: 1011	P: 1111

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) 60 — word : 5

Content : 500 words

1 word : 5 letters

1 letter : 10 bit

1 Page : 500 words

b. 8 GB = 80 Gb — 80.000 mb.

80.000 / 6.25 = 12.800

So, 12.800 books are similar with 8 GB Flash disk.