

## ICT4LT

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

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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):

Now day, there is no reason for us not to learn about ICT. Because mostly all aspects of our life use ICT. For example as the teacher, we should be able to operate computer or accessing the internet to help us in teaching and learning process. Basically, it also facilitates the human being in facing daily life more efficient, and also to know how to practise ICT, how to get the kinds of ICT that can be used in learning process.

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

Talk and chalk	Master - Apprentice	Study Circle
Speech	Presentation	Drill

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

Experience	Talent	Style
Technique	Methodology	Toas

## 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
CPU	windows	Teachers
Monitor	MS - OFFICE	Students

## 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: Drs. Tasrip, M.Si place of work: STISIP Veteran Palopo

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

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

(c) Explanation of 6(b):

- He uses internet
- He uses LCD
- He uses "yahoo" to collect the students assignment

and also there is sample from image (SMA)

The teacher's name is st. Badariah Ali

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

Examples of **information workers** are (give three more): Teachers, Lecturers, Secretaries, and Managers

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: 1001	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 Byte = 10 b(its), so 8 GB = 80 Gb) (5 point).

Answer:

11. (a)  $250 \times 500 \times 5 = 625000 \times 10 \text{ bit} = 6.250000 \text{ bit}$

11. (b) Flash disk ~~8 GB~~  $80.000 \text{ Mb}$

$80.000 / 6.25 = 12.800 \text{ books}$

It can be concluded that  $12.800$  books are same in describing  $8 \text{ GB}$ .