ICT4LT

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

Name: OPIK DWI INDAH, 5. Pd Student ID #: 12801198

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): We know that ICT refers to the Information, Communication and Technology. It is a set of resources and technological equipment to communicate, create tools, and manage information. Some technology equipments here are computer, telephone, internet, radio, etc. And we should learn about ICT because nowadays is technology era where each person must know the facility of technology and can operate it. Besides, ICT is very useful in every field for example in educational field. We can use ICT to make the teaching and learning process more effective and efficient, like the students can get more information about the lesson by searching in the internet and teachers can use this facility (like computer) as a media to teach and that media is very helpful for them. Therefore, we should learn about ICT because it is very important and very needed in our daily activity.

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

Talk and chalk	Study Circle	Drill - Practice
Master and Apprentice	Speech - Presentation	Test - Exam

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

Experience	Knowledge	Technique	
Talent	Style	Tools	

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: Computer Laboratory in SMK Nur Karya Tidung

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

hardware aspects	hardware aspects software aspects Humanware aspects	
Mouse	Operating system and Program	Computer operator
Keyboard	Moodle	Computer engineer

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: Rahmat s Pd place of work: SMK Nur Karya Tidung

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

* Extra Ordinary *Good * Not Quite Good

(c) Explanation of 6(b): Based on the observation, his mastery of ICT is good because he can operate the computer well and in teaching process, he gave good explanation and nice interaction to the students, so they can catch the point or got the information of explanation clearly from him. But, unfortunately at there is less of facility like Computer, which it can influence the teaching and learning process running slowly. However, he tried to do the best.

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You do not need any ex	tra paper, write down all your	answers right here! Use the!	back page if necessary.			
7. A society where the ma	ijority of its population ea	arn their living as inform	ation workers is called an			
			orkers do for living? (10			
points) <u>Answer</u> . They	producing process	sing, distributing	information and			
producing the 1	information technoli	0gy.				
	and the second second second		dinare torontoni			
Examples of information						
manager, researcher	s, academicians,	Writers and reporte	213.			
8. There are 3 (three) leve	ls of Information Systems	s. from the lowest to the	highest (<i>10 points</i>):			
1. Manual	based	Information Systems				
2. Computer	based	l Information Systems, a	and			
3. Network	based	Information Systems				
0 14/6-6 46	i-siaa did chaa a	and Manuada ma	del of communication			
			del of communication			
			2 (two) other modes of			
communication der	rived from the same m	nodel are: (a) Full - L	ruplex			
and (b) Half - Vup	olex:	(10 points)				
9. The smallest unit	of information is	1 BIT stands for	(an abrreviation of)			
Binary Digit	?	(5 points)	,			
•						
	en) different " <i>4-bit bind</i>	ary codes" to identify 1	6 different persons (10			
points):						
A: 0000	E: 0 1 00	1: 1000	M: 1100			
B: 0001	F: 0101	J: 1001	N: 11 0 1			
C: 0010	G: 0110	K: 1010	0:1110			
D: 0011	H: 0111	L: 10 11	P: 1111			
11. Write down your answ			tion over word is made			
(a) If each letter or chara	average and the content	of every page is about 5	ation, every word is made 00 words in average, how			
many bits of informa	tion are there contained i	in a 250-page book? (<i>5 pa</i>	oint).			
(b) How many books about the same size as described in 11(a) can fill up an 8 GB Flash Disk? (Note: 1						
	8 GB = 80 Gb)(5 point).					
Answer.	11.00					
11. (a) 1 word = 5 letters 250 pages \times 500 words = 125.000 words 1 letter = 10 bits 125.000 words 125.000 words 125.000 words 125.000 letters						
1 Page = 500	1000ds 125.000 W	fords x 5 letters = 6	25.000 Letters			
	625,000	letters \times 10 bits = 6.	250.000 bits			
30, in a 250 -	50, in a 250 - pages, there are 6.250.000 bits of Information					
(b) 6250.000 bits / 1000 = 6.250 Kb						
6.250 Kb / 1000 = 6.25 Mb						
6.25 Mb / 1000 = 0.00625 Gb for 1 book						
80 Gb / 0.00625 Gb = 12.800 books						
So, there are	12.800 books can	Fill up an 8 GB j	elash Disk			