

2ND SEM. 2005/2006

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME:

DIPLOMA IN AGRICULTURAL EDUCATION I

DIPLOMA IN AGRICULTURE I

DIPLOMA IN HOME ECONOMICS I

DIPLOMA IN HOME ECONOMICS EDUCATION I

REMEDIAL YEAR IN AGRICULTURE

MASTER OF SCIENCE

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TITLE OF PAPER:

INTRODUCTION TO COMPUTERS

TIME ALLOWED:

TWO (2) HOURS

INSTRUCTIONS:

- 1. ANSWER ALL QUESTIONS IN ALL SECTIONS.
- 2. ANSWER ALL QUESTIONS ON THE QUESTION PAPER. YOU DO NOT NEED AN EXAMINATION ANSWER FOLDER. SUBMIT THIS QUESTION PAPER. DO NOT REMOVE IT FROM THE EXAMINATION ROOM.
- 3. QUESTIONS CARRY MARKS AS INDICATED IN THIS PAPER.

Candidate's Examination Number	<u> </u>
Time of Examination	:
Date of Examination	;
Venue of Examination	<u>.</u>

DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY THE CHIEF INVIGILATOR

		1: Multiple Choice: For each it			
mai be	St CC	ompletes/answers that item. Read	all Cito	(2 marks each	
1. In c	ontra	ast to early computers, todays cor	nputers	are:	Ž.
	a.	larger.	e.	a and c.	
	b.	available to fewer people.	f.	b and c.	
	c.	less expensive.	g.	a, b, and c.	
	d.	a and b.			
2. A p	erso	n using a computer must be sure	that th	e information t	hey give to the computer is
correct	t, or	the information they get back ma	ay also	be incorrect. A	n acronym common among
compu	ter u	isers to express this truth is:			
	a.	RIRO	c.	TITO	
	b.	GIGO	d.	DITO	
3. The	FOF	RMAT command in MSDOS:			
	a.	divides each disk surface into tra	acks.	e.	a and c.
	b.	divides each disk surface into se	ctors.	f.	b and c.
	c.	creates subdirectories.		g.	a, b, and c.
	d.	a and b.			
4. Form	natti	ng is necessary:			
	a.		gnetic n	naterial. d.	a and b.
	b.			e.	a and c.
	c.	to enable the computer to store.		f.	b and c.
		information where it can locate	it later.	g.	a, b, and c.
5. Of the	he pi	rograms we used in class, the one	that us	ed A:> as the p	rompt was a/an:
	a.	database management system.		operating syst	
	b.	expert system.		.e.	spreadsheet.
	c.	function wizard.		f.	word-processor.
6. A di	recto	ory within a directory (that is, one	e that is	part of another	directory) is called a:
	a.	minidirectory.		d.	sidedirectory.
	b .	microdirectory.		e.	subdirectory.
	c.	macrodirectory.		f.	superdirectory.
7. A se	t of	programs that controls all of the	function	is of the compu	ter and its auxiliary devices
is refer	red 1	to as a/an:			
	a.	database management system.		d.	operating system.
	b.	expert system.		e.	spreadsheet.
	c.	function wizard.		f.	word-processor.
8. In ha	andli	ing diskettes, one must remember	r to:		
	a.	•			
	b.	store them at a temperature betw	veen 10	°C and 60°C.	
	c.	insert them carefully.			
	d.	a. and b.			
	e.	a. and c.			
	f.	b. and c.			
	g.	a., b., and c.			
9. The	oper	rating system found in the ROM			sed in the course is:
	a.	PC DOS.	d.	MS-DOS.	
	b.	OS-2.	e.		ent operating system.
	c.	Windows 2000.	f.	Windows XP.	•

10. If	both	files relate to the same data, the amount	of data	stored	in a sorted file:
	a.	is the same as that stored in an index fi	le.		
	b.	is less than that stored in an index file.	•		
	c.	is more than that stored in an index file	.		₹.
	d.	may be more or less than that stored in	an inde	x file.	
11. W	hen (compared to a manual typewriter, a micr	ocompi	uter use	d as a word-processor:
	a.	makes it easier to underline text.	_	e.	a. and c.
	b.	makes it harder to make corrections.		f.	b. and c.
	c.	makes it harder to number pages.		g.	a., b., and c.
	d.			ĥ.	none of the above.
12. Ar	MS	DOS command that is only loaded into in	iternal i	nemory	when it is needed is referred
to as:		access on.		•	
	b.	access off.			
	c.	ephemeral.			
	d.	external.			
	e.	internal.			
13. DI	SKC	COPY A: B:			
		suming the diskettes in drive A: and drive	e B: ar	e of the	same capacity, the MSDOS
		nmand at the start of the question will:	• 20	0 01 4.0	came capacity, and wish of
	a.	not have any effect, because DISKCOP	Y is no	nt an MS	SDOS command
	b.	not have any effect, because this is not			
	c.	copy all files and blank spaces from the	-		
	•	A:			vo B. to mio dishotto in dirvo
	d.	copy all files and blank spaces from the B:	diskett	te in dri	ve A: to the diskette in drive
	e.	copy only non-hidden files from the dis	kette ir	n drive I	B: to the diskette in drive A:
	٠f.	copy only non-hidden files from the dis	kette ir	drive A	A: to the diskette in drive B:
	g.	copy only hidden files from the diskette	in driv	ve B: to	the diskette in drive A:
	h.	copy only hidden files from the diskette	in driv	ve A: to	the diskette in drive B:
14. In	this	course, symbols or facts that help us ans	wer que	estions v	were referred to as:
	a.	data.	d.	forms	•
	b.	icons.	e.	fonts.	
	c.	statistics.	f.		nation.
15. Th	e "he	eart" or "brain" of the computer is the:			
	a.	RAM.	d.	CPU	
	b.	keyboard.	e.	monit	or.
	c.	diskdrive.			
16. A §	grouj	p of eight binary digits is referred to as a	/an:		
	a.	bit.	d.	access	S.
	b.	byte.	e.	byt.	
	c.	address.		-	
17. Co	mpu	ter flight simulators are an example of u	sing sir	nulation	n in the area of:
	a.	Training/Teaching.	-		
	b.	Research.			
	c.	Exploring Alternatives/Planning.			
	d.	Predicting Events.			

an example of using simulation in the area of: a. Training/Teaching. b. Research. c. Exploring Alternatives/Planning. d. Predicting Events.	
b. Research.c. Exploring Alternatives/Planning.d. Predicting Events.	
c. Exploring Alternatives/Planning.d. Predicting Events.	
d. Predicting Events.	
· · · · · · · · · · · · · · · · · · ·	
10. The nettern of the and the in a manner to setting and the	
19. The pattern of 0's and 1's in a memory location can represent:	
a. a command to the microprocessor. e. a and c.	
b. an ASCII letter character. f. b and c.	
c. an ASCII number character. g. a, b, and c.	
d. a and b.	
20. Which of the following types of computer languages is (are) machine independent	:?
a. assembly language. e. a and c.	
b. high level language. f. b and c.	
c. machine code. g. a, b, and c.	
d. a and b.	
21. A bar code on a product contains information on:	
a. the manufacturer of the product. e. a and c.	
b. the store where the product is being sold. f. b and c.	
c. the identity of the product. g. a, b, and c.	
d. a and b.	
22. In sound processing analysis is more difficult than synthesis:	
a. because output can be standardized in analysis.	
b. because there are more possible inputs in synthesis.	
c. both a. and b.	
d. neither a. nor b.	
23. In using a computer to regulate the temperature in the greenhouse, the sensor(s	could
include:	
a. a fan. e. a. and c.	
b. a thermometer. f. b. and c.	
c. a window opener. g. a.,b. and c.	
d. a. and b. h. none of the above.	
24. In the central processing unit, the part responsible for storing the number of	he next
instructions is the:	
a. control unit.	
b. instruction register.	
c. program counter.	
d. arithmetic and logic unit.	
e. none of the above.	
25. The elements of an information system include:	
a. procedures. e. a. and c.	
b. people. f. b. and c.	
c. machines. g. a.,b. and c.	
d. a. and b. h. none of the above.	

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	ON II: A. FILL IN THE BLANK: In each blank, write stence. (1 mark)				st completes rks total]
1.	The bar code contain information about the,		, and	1	, in addition
	to the control number.				
2.	A network with relatively few users within a radius of a	about	10 km	, with pr	ivate lines is
	referred to as a/an				
	·				
3.	The major limitation of simulation is that it is only a	as go	od as tl	ne	that
	underlie it.				
4.	A binary digit is referred to as a/an, a group of	of eig	ht of th	ese as a/	an,
	and the location of the group of eight in the memory a	ıs a/a	n	 •	
<u>one</u> ste before	ON II: B. MATCHING: In the blank next to each item p in system analysis/development on the right in which you start to answer. You may need to use some letters and in alphabetical order, not necessarily in the order in (2 marks each)	that i more whic	tem fits than or	. Read alnce. (N.Fare done	l listed steps B.: The steps
	1. Purchase equipment.	a.	Choos	ing the r	ight system.
	2. How could the present system be improved?	b.	Feasil	oility stu	dy
	3. What are the costs of changing?	c.	Imple	men-tati	on ·
· · · · · · · · · · · · · · · · · · ·	4. Get quotations of costs of possible new options.	d.	System	n definit	ion.
	5. Adapt the new system.	e.	System	n mainte	enance.

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SECTION III. SHORT ANSWER: Answer each question in the space provided.

1. Describe what a computer virus is and list three ways of avoiding virus infection of your diskettes. [10 marks]

2. Distinguish between ANALYSIS and SYNTHESIS in image processing and compare their difficulty. [10 marks]

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3. Describe the capabilities and special features of a spreadsheet program.

[10 marks]

FOR EXAMINERS' USE ONLY:

Section	Internal E	xaminer	External Examiner	
	Mark	Signature	Mark	Signature
I.				
II.A				
II.B				
III.1				
III.2				
III.3				
TOTAL				1-