



STRATFORD INTERNATIONAL SCHOOL
GENERAL SANTOS CITY

MIDTERN EXAMINATION

#25

PROGRAMMING 1 BSIT SET A

NAME: _____ Date: _____ Permit Score _____

I. Modified Identification /Debugging. [Identify and underline the program code errors or missing symbols and write the correct code or symbol in the space provided before the number] [50pts]

This program demonstrate on how to draw a box in the screen.

```

_____ 1. @include <conio.h>
_____ 2. #include (stdio.h)
_____ 3. void box(int x, int y, int xx, intyy) ‘
_____ 4. Void box(int x, int y, int xx, intyy)
_____ 5. { inta,b;
_____ 6. For (a=x, a<xx,a++) {
_____ 7. gotoxy(a,y);print(“%c”,205);
_____ 8. Gotoxy(a,yy);printf(“c%”,205); }
_____ 9. for (b=y;b=yy;b++) {
_____ 10. gotoxy(x,b); printf(“%c”,186); }
_____ 11. for (b=y;b=yy;b++) {
_____ 12. gotoxy(xx,b); printf(“%f”,186); }
_____ 13. _____ 14. gotoxy(x,y);printf(“%c”,201)
_____ 15. _____ 16. gotoxy(xx,y);printf(“%s”,188);
_____ 17. _____ 18. gotoxy(x,yy)printf(“%c”,200);
_____ 19. _____ 20. gotoxy(xy,yy);printf(“%i”,187); }
_____ 21. void main();
_____ 22. { clrscrn();
_____ 23. Box(2,2,70,20);
_____ 24. getch ;
_____ 25. }

```

II. Problem Solving [50pts] [build a program that will demonstrate the computation of average for 5 subject grades, inclusion of remarks is an additional points [5 points per subject + the general average].

Requirements:

1. use arrays in all subjects and grades.
2. with title, programmer’s name and a box.
3. must complete the program within 60 minutes
4. beyond 60 minutes shall be rated according to encoded lines of code.

Program sample output

```

                                     Average Computation

English:?  90
Math:?     90
Science:?  90
Pilipino:? 90
PE :?     90

Average    90

                                     By: Programmer

```



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#25

PROGRAMMING 1 BSIT SET B

NAME: _____ Date: _____ Permit Score _____

I. Modified Identification /Debugging. [Identify and underline the program code errors or missing symbols and write the correct code or symbol in the space provided before the number] [50pts]

This program demonstrate on how to draw a box in the screen.

```

_____ 1. #include <conio.h>
_____ 2. @include <stdio.h>
_____ 3. Void box(int x, int y, int xx, intyy)
_____ 4. void box(int x, int y, int xx, intyy);
_____ 5. { INTa,b;
_____ 6. for (a=x, a<xx,a+) {
_____ 7. gotoxy(a,y);printt("%c",205);
_____ 8. gotoxy(a,yy);printt("c%",205); }
_____ 9. for (b=y;b>yy;b++) {
_____ 10. gotoxy(x,b); printf("%c",186); }
_____ 11. for (b=y;b<yy;b--) {
_____ 12. gotoxy(xx,b); printf("%c",186) }
_____ 13. _____ 14. gotoxy(x,y);printt("%s",201)
_____ 15. _____ 16. gotoxy(xx,y);printf("%s",188);
_____ 17. _____ 18. gotoxy(x,yy)printf("%c",200);
_____ 19. _____ 20. gotoxy(xy,yy);printf("%i",187); }
_____ 21. voidMain()
_____ 22. { clrscr()
_____ 23. box(2,2,70,20)
_____ 24. Getch() ;
_____ 25. }

```

II. Problem Solving [50pts] [build a program that will demonstrate the computation of the total amount for 5 items bought from a store. Requirements:

1. use arrays in all items and price.
2. with title, programmer's name and a box.
3. must complete the program within 60 minutes
4. beyond 60 minutes shall be rated according to encoded lines of code.

Program sample output

Sales Computation	
Sack Rice:?	1990.00
Pancit:?	30.00
1ltr Coke:?	28.00
shampoo:?	5.25
surfdtrgent :?	6.25
 Total	 2059.50
 By: Programmer	



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#25

PROGRAMMING 1 DIT SET A

NAME: _____ Date: _____ Permit Score _____

I. Modified Identification /Debugging. [Identify and underline the program code errors or missing symbols and write the correct code or symbol in the space provided before the number] [50pts]

```

_____ 1.Include <stdio.h>
_____ 2.include<conio.h>
_____ 3.float rate, hours, grosspay, deduction, netpay
_____ 4. Char name[20];
_____ 4.Void main()
_____ 5.}
_____ 6.Clrscr();
_____ 7. Rate=0; hour=0; grosspay=0; netpay=0;
_____ 8.Gotoxy(5,5); printf("payroll as of August 2012");
_____ 9.gotoxy(5,7); printf("name:? "); scanf("%s",&name);
_____ 10.gotoxy(5,8); printf("rate per hour : ? "); scanf("%s",&rate);
_____ 11.gotoxy(5,9); printf("number of hours:? "); scanf("%s",&hours);
_____ 12.grosspay = rates * hours;
_____ 13.gotoxy(5,10); printf(" gross pay : %f ", gross);
_____ 14.Gotoxy(5,11); printf("Deduction : ?") scanf("%f",&deduction);
_____ 15.Netpay = gross – deduction;
_____ 16.gotoxy(5,12); printf("Netpay %f",netpay)
_____ 17.Gets();
_____ 18. {

```

II. Problem Solving. [50 pts]

Build a program that will demonstrate to compute an area of solid using the variables length, width and height.

Requirements:

1. 45 minutes to complete
2. beyond 45, ratings will be based on the correct line of codes.
3. with title and the name of the programmer.

Area of A solid

Length:? 5

Width :? 5

Height: ? 5

Area = 25

By: your name



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PROGRAMMING 1 DIT SET B

NAME: _____ Date: _____ Permit Score _____

I. Modified Identification /Debugging. [Identify and underline the program code errors or missing symbols and write the correct code or symbol in the space provided before the number] [50pts]

```
_____ 1. #Include<stdio.h>
_____ 2. #include <conio.h>
_____ 3.floot rate, hours, grosspay, deduction, netpay
_____ 4.char name[20]
_____ 4.void main();
_____ 5. }
_____ 6.clrscrn();
_____ 7.rate=0; hour=0: grosspay=0; netpay=0;
_____ 8.gotoxy(5,5); printt("payroll as of August 2012");
_____ 9.gotoxy(5,7); printf("name:? "); scan("%s",&name);
_____ 10.gotoxy(5,8); printf("rate per hour : ? "); scanf("%s",&rate);
_____ 11.gotoxy(5,9) printf("number of hours:? "); scanf("%s",&hours);
_____ 12.grosspay = rate * hour;
_____ 13.gotoxy(5,10); printt(" gross pay : %f ", gross);
_____ 14.gotoxy(5,11); printf("Deduction : ?"); scanf("%f",&deduction);
_____ 15.Netpay = gross – deduction;
_____ 16.gotoxy(5,12); printt("Netpay %f",netpay);
_____ 17.getch;
_____ 18. {
```

II. Problem Solving. [50 pts]

Build a program that will demonstrate to compute the acceleration of car in flat road [distance], using the Kmph or kilometers per hour and Time it travels as the variables :

Requirements:

1. 45 minutes to complete
2. beyond 45, ratings will be based on the correct line of codes.
3. with title and the name of the programmer.

Acceleration

Kilometers per hour ?10

Time in minutes :? 120

Distance travelled =20

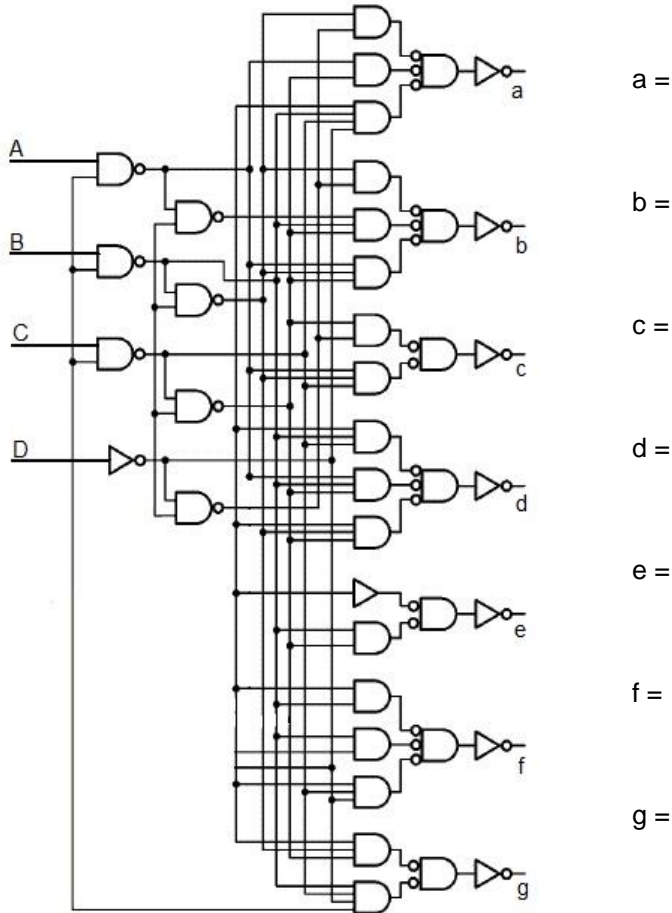
By: your name



COMPUTER ORGANIZATION

NAME: _____ Date: _____ Permit Score _____

I. Problem Solving [70 pts]: give the Boolean expression or functions of a,b,c,d,e,f and g from the figure below.



II. Problem Solving [50 pts], draw a schematic diagram from the given functions below.

$$\begin{aligned}
 AA &= (a', b', c', d')' + (a' b' c d)' + (a' b)' + (a c d)'' \\
 BB &= (a b' c' d')' + (a' b c d')' + (a' c' d)' + (a b' c' d)' \\
 CC &= (a' b c d)' + (d)' + (a' c)' \\
 DD &= (a) + (b' c' d)' + b'
 \end{aligned}$$



NETWORK OPERATING SYSTEM

NAME: _____ Date: _____ Permit Score _____

All about WinNT/200

I. Fill in the Blanks: /Identification

1. _____ is the developer of the Windows NT/2000 server
2. _____ is NETBIO
3. _____ is TCP /IP
4. _____ is RPC.
5. _____ SMTP

II. Enumeration:

- a. The NT Executive takes care of the important tasks that are vital to the entire system. This includes services such as object management, virtual memory management, I/O management, and process management. What are components of the NT executive?
1 – 10
- b. What are the reasons for creating a Domain ?
11 - 18
- c. Name at least 5 Domain design considerations.
19 - 23
- d. Name at least 5 NT design alternative and its advantages and disadvantages.
24 – 50

• All about Centos and Samba

III. Fill in the blanks:/ identification

1. _____ The founders of Linux.
2. _____ is CENToS
3. _____ is GNU
4. _____ SMTP
5. _____ is the other name of SAMBA
6. _____ is the developer of SAMBA
7. Using the _____ to do network analysis of DEC pathworks.
8. SAMBA and CentOs are OS that are build based on _____ systems.
9. CentOs is derived from RHEL Distribution. RHEL means ? _____
10. Lance Davis is the founder of _____ and disappeared in 2008.

IV. Enumeration

- A . 1 – 5 state at least 5 some features of SAMBA
- B. 6 -10 name at least 5 machine architectures by which CentOs cannot support.

• All about novell netware

V. Fill in the blanks / identification

1. _____ is the protocol used by novell netware instead of TCP/IP.
2. _____ , _____ , Kyle Powell and Mark Hurst are the founder of Novell Netware.

VI. Enumeration

- a. 1- 5 name at least 5 reasons for NetWare's performance advantage.

Good Luck!