Deanship of Preparatory Year **Kingdom of Saudi Arabia** Jazan University **Ministry of Higher Education** Course Code: 011-COMP 2006 Course Name: Programming language-1 بنك الأسئلة الخاص بمقرر البرمجة -1 لطلاب كلية الحاسب الآلى ونظم المعلومات Name of student: _____ _ID: _____ _Sr. No.___ Q.1 Select the correct option of your choice from the followings: (5*1=5 Marks) i. Which of the following is used to give tab space between two words. (b) \ (a) \t (c) /t (d) None of the above Output Statement uses the operator with "cout" ii. (a) > (b) >>(c)<< (d) @ iii. Statement in c++ should end with____. (a); (b): (c), (d). iv. Single-line comment uses: (b) // (a) \\ (c)/* (d) *\ _____ conditional operator is ternary operator it takes three operands. v. (a) **?**: (b) >> (c)/* (d) #

Q.2	Defi	ne the following terms.	(2*2=4 Marks)				
	(i)	Block in C++ language.					
	•••••						
	•••••						
	•••••						
	•••••						
	(ii)	High Level Language.					
	•••••						
	•••••						
	•••••		••••••				
	•••••						
Q.3	Find	l out errors in the below given program?	(2*3=6 Marks)				
(i)	#in	clude <iostream< td=""><td></td></iostream<>					
	#ine	clude <conio.h></conio.h>					
	usir	ng namespace std;					
	void	l main();					
	{	ut u s uu ssh					
		nt n,sqr,cub					
		out<<"Enter the number : ";					
		n>>n;					
		qr=n*n; גb=n*n*n;					
		out<<"\nSquare="< <sqr;< td=""><td></td></sqr;<>					
		ut>>"\nCube="< <cub;< td=""><td></td></cub;<>					
		tch();					
	}						
	,						

Answer:

```
......
(ii) #include<iostream>
 include<conio.h>
 using namespace std;
  void main()
  {
  int i:
  for(i=1; i<=10, i++)
   {
   cout<<i<<endl;
   }
   getch();
  }
   Answer:
         .....
```

***** Good Luck *****

Write a Program to find the greatest of three numbers.(5*1=5 Marks)

Q.4

Kingdom of Saudi Arabia Ministry of Higher Education Jazan University Faculty of Computer & Information Systems



Computer Science Department

Exam Date: / / 1435

Course Code:

Comp 011

Midterm exam - Academic Year 1434 – 1435 H Id: Name: Group: (5 Marks) Q-1> Multiple Choice Questions: a) Which of the following is conditional operator? (a) ?: (b) = =(c) & (d) > =b) Which of the following is a pictorial representation of an algorithm? (a) Gnat Chart (b) Pareto Chart (c) Flowchart (d) None c) Which of the following statement add 1 to the variable X? (a) X++ (b) X=X+1 (c) X+=1 (d) All d) Which of the following is not a repetition statement? (a) While (b) For (c) Do-While (d) IF

e)	Which of the following is not a Control Structure?				
	(a) Sequence	(b) Selection	(c) Repetition	(d) Counter	
Q-	2> Fill in the bl	anks:		(3 Marks)	
a)]	Every C++ progra	m must have a fui	nction called		
b)	Object	is u	sed to print the output o	n the screen.	
c) _			_ repetition is called ind	lefinite repetition.	
Q-	-3> Write the o	utput of the fol	lowing program.	(2 Marks)	
	#include <iostre< td=""><td>eam.h></td><td></td><td></td></iostre<>	eam.h>			
	Using namespa	ice std;			
	void	main()			
	{				

	int k;
	for (k=1; k<=5; k++)
	cout<< 5*k< <endl";< td=""></endl";<>
}	
Ans:	

Q-4> Rewrite the errors in the following program. (2 Marks)

#include<<iostream.h>>

void main()
{

int a, b, sum:

cout<<"Enter value of a :">>;

cin>>a;

sum = =a + b;

	cout<< "Value of a and b : " sum;	
	return 0;	
ſ		
{		
Apri		
Ans		
Q-5> Subjective Q	uestions (Definitions)	(4 Marks)
a) What is Selection	Structure?	
Ans:		

b) What is a Counter-Controlled repetition?

Ans:	

______ _____ _____ _____ _____ Q-6> Write Programs (4 Marks) a) Write a C++ program to print the number from 1 to 10 using Do-While loop. Ans: _____ ______

_____ ______ ______ _____ b) Write a C++ program to calculate student grades. Ans: _____ ______

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JAZAN UNIVERSITY, JA	\ZAN		جمعة جمازان			
كلية الحاسب الآلى و Collage of Computer and Information Systems نظم المعلومات						
Student Name :		Student I	D :			
Group :		Level	:			
Preparatory Year			_			
Subject : Prog 011	ramming in C++	Code	: Comp -			
Exam Day :		Exam dat	e :			
1435H						
Exam Duration: 2 Ho	urs					
	Student Answer Sheet					
Fall Term S	pring Term	Academic Year :	1434-1435 H			
MARKS DISTRIBUTION						
SECTION - A	SECTION - B	SECTION - C	Total (in words)			
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	SECTION - B					
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1 2 3	SECTION - B 9 10 11	14 15				

6 7 8							Total (in Numbers)
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	<u> </u>		CI	LASS WOR	к (о	UT OF 60)	
			GRAI	ND TOTAL	(OU	T OF 100)	
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Coordir r	nato	Le	eader	- 1	tee	Committee - 2	Evaluator
		_	_		Eligi	ble for prin	ting <u>if not</u>
signed by any of above signatures							
Invigilat Examiner			Review	wer	Dep	artment	
or						Coordi	.nator/Head

Note: All questions are compulsory. Please use the left side blank sheet for extra work

Q.1. Answer the following questions [2*3=6 Marks]

i. Define keyword with example.

ii.	Define while repe	tition statement.		
	·			
Q.2 Marks	Multiple Choice Q]	uestions:		[10*1=10
i.			(;;)" will execute?	
times	(a) 10	(b) 1	(c) 0	(d) infinite

ii. The Preprocessor directives begin with _____. (a) @ (b) # (c) * (d) \$ iii. Every statement in C++ should end with_____ (c) " (b): (a) ; (d) >> is English like representation of the code. iv. (b) Algorithm (c) Program (a) Flowchart (d) Pseudo code C++ is an example of _____ languages. v. (a) Assembly languages (b) Machine languages (c) High level languages (d) All of the above Programming in C++ 1 1434-1435 н vi. _____ is a conditional operator. (a) = = (b) ?: (c) >> (d) += The expression "count + = count" is equivalent to_____. vii. (a) count++ b) count + (c) count - - (d) None of these A set of statement contains within a pair of braces it called -----viii. (a) command (b) comment (c) block (d) flowchart ix. Do While loop is considered as ----- repeat ion Counter-controlled (b) not Counter-controlled (a) (c) output function (d) input function The function that print output for the user is_____. х. (b) cin<< (c) cout<< (d) cout>> (a) cin>>

Q.3. Write the following Programs: [2*5=10 Marks]

i. Write a program using if else statement to find out the result of a student based on the following conditions:

- If the grade is greater than 75 then Display "Distinction"
- If the grade is greater than 60 and less than 75 then Display "Pass"
- If the grade is less than 60 then Display "Fail"

2	Programming in C++ 1434-1435 H

ii. Write a program using switch statement to Display the name of a day of the week when a user

enters a number between 1 and 7, otherwise display incorrect entry.

_____ _____ ---_____ ---_____ ---_____ -----------------_____ --------------------

3	Programming in C++ 1434-1435 H

Q.4. Find out the syntax errors in the following codes and rewrite the correct code:

```
[2*4=8
   Marks]
i.
   include <iostrea>
   using namespace std;
   void main()
   {
    int x,y
    cout<< "enter two integer";</pre>
    cin>>x>y;
    if(x==y
    cout<<x<< " =="<<y;
    return 0;
   _____
---
---
      _____
___
       _____
---
```

_____ ------_____ ---_____ ---_____ ---------___ ii. #include <iostream using namespace std; vid min() { int c=0; whle(c<= 10 { C++; cou<c <<\n"; } Programming in C++ 4 1434-1435 н __

05	What will be the output of the following code?	[2*3=6
Marks		[2 3-0
i.	#include <iostream></iostream>	
	using namespace std;	
	int main() {	
	l l	

int counter=6; do

	{
	cout< <counter<<" ";<="" th=""></counter<<">
	counter++;
	}
while	(counter<=5);
}	
5	Programming in C++
	1434-1435 H
ii.	#include <iostream></iostream>
	using namespace std;
	void main()

{
for (int x=10; x>=2; x-=2) cout< <x<<"\n ";<="" td=""></x<<"\n>
}

I. Multiple Choice Questions

1.	Which of the following is a condition that will test whether the value in the integer variable num is even or not?				
	(a)	(num % 2 ==0)		(b)	(num / 2 == 0)
6			Programming :	in C-	++
			1434-1435	H	
	(c)	(Num % 2 == 1)		(d)	None of the above.
Ans:	Á				
2.	Whicl	n of the following is a c	control structure?		
	(a)	Sequence structure.		(b)	Repetition structure.
	(c)	Decision structure.		(d)	All of the above.
Ans:	D				
3.	How	many times will the fol	lowing while loop prin	t "Hello	o"?
	int i=1				
		(i<=13)			
		<"hello";			
	(a)	10		(b)	8
	(c)	0		(d)	An infinite number of times
Ans:	D				
4.		will be the first and las	t values of 1 after execu	ution of	tollowing loop?
	n=20;				
		0;i <n;i++)< th=""><th></th><th></th><th></th></n;i++)<>			
		<i<<endl; 0 and 19</i<<endl; 		(b)	1 and 10
	(a)	0 and 20		(b)	1 and 19 1 and 20
Ans:	(c) B			(d)	
Alls. 5.	_	will be the output of th	e following code?		
5.		ide <iostream.h></iostream.h>	e tonowing code.		
	void r				
	{	()			
	ι	int x=0;			
		if(x>=0)			
		x=x+5;			
		$if(x \ge 5)$			
		x=x+4;			
	}				
	(a)	7		(b)	5
	(c)	9		(d)	None of the above
Ans:	Α				

	ble.	(L)	itarata
(a)	construct	(b)	iterate
(c)	initialize	(d)	increase
C			······································
	sort, the smallest item from	m the t	insorted list is swapped
	at the beginning of the unsorted list.	$(1 \cdot)$	11.1.1.
(a)	selection	(b)	bubble
(c)	insertion	(d)	all of the above
A Nom	vagion Formi and Dussian can be alogaified as		languaga
	vegian, Farsi and Russian can be classified as		
(a)	machine	(b)	•
(c)	high level	(d)	natural
D			• . •
1	is a program designed to teach pr	ogrami	ning to novices that em
	ructured programming approach.	(1)	C
(a)	C++	(b)	C
• •	Pascal	(d)	Scheme
C	1 .1 . 19.9		
	language uses the traditional	l appro	ach to programming an
	red to as an imperative language.		
(a)	procedural	(b)	functional
(c)	declarative	(d)	object oriented
4			
			resentation of the code.
(a)	Flowchart	(b)	0
(c)	Program	(d)	Pseudocode
D			
	tandard data type describes a n		
(a)	float	(b)	double
	int	(d)	char
	IIIt	· · /	•
C			
C C, C-	++ and Java can be classified as		languages
C C, C- (a)	++ and Java can be classified as symbolic	(b)	languages machine
C C, C- (a) (c)	++ and Java can be classified as		languages
C C, C- (a) (c)	++ and Java can be classified as symbolic natural	(b) (d)	languages machine high level
C C, C- (a) (c) D	++ and Java can be classified as symbolic natural is a basic algorit	(b) (d) hm tha	languages machine high level t adds a list of numbers.
$\frac{C}{C}, C$ (a) (c) D (a)	++ and Java can be classified as symbolic natural is a basic algorit smallest	(b) (d) hm tha (b)	languages machine high level t adds a list of numbers. summation
$\frac{C}{C}, C$ (a) (c) D (a) (c) (c)	++ and Java can be classified as symbolic natural is a basic algorit	(b) (d) hm tha	languages machine high level t adds a list of numbers.
$ \begin{array}{c} C\\ C, C-\\ (a)\\ (c)\\ D\\ \hline (a)\\ (c)\\ C\\ \end{array} $	++ and Java can be classified as symbolic natural is a basic algorit smallest product	(b) (d) hm tha (b) (d)	languages machine high level t adds a list of numbers. summation largest
$ \begin{array}{c} C\\ C, C-\\ (a)\\ (c)\\ D\\ \hline (a)\\ (c)\\ C\\ \end{array} $	++ and Java can be classified as symbolic natural is a basic algorit smallest product	(b) (d) hm tha (b) (d)	languages machine high level t adds a list of numbers. summation largest nandles repeated actions
$ \begin{array}{c} C\\ C, C^{-}\\ (a)\\ (c)\\ D\\ \hline (a)\\ (c)\\ C\\ The \\ \underline{}\\ \end{array} $	++ and Java can be classified as symbolic natural is a basic algorit smallest product	(b) (d) hm tha (b) (d)	languages machine high level t adds a list of numbers. summation largest
(c) C C, C-(a) (c) D (c) C C C C C C C C C C C C C C C C C C C	++ and Java can be classified as symbolic natural is a basic algorit smallest product cons	(b) (d) hm tha (b) (d) structs l	languages machine high level t adds a list of numbers. summation largest nandles repeated actions
$ \begin{array}{c} C\\ C, C-\\ (a)\\ (c)\\ D\\ \hline (a)\\ (c)\\ C\\ The_{-}\\ (a)\\ \end{array} $	++ and Java can be classified as symbolic natural is a basic algorit smallest product cons sequence	(b) (d) hm tha (b) (d) structs l (b)	languages machine high level t adds a list of numbers. summation largest nandles repeated actions decision

A	(c) D	insertion	(d)	all of the above		
Ans: 17.	D Iteration is a process in which as algorithm calls itself.					
17.	(a)	insertion	(b)	recursion		
	(c)	iteration	(d)	searching		
Ans:	B			8		
18.	HTM	L, PERL and SQL fall under the classification	n of mo	dern language.		
	(a)	special	(b)	object oriented		
	(c)	declarative	(d)	modern		
Ans:	Α					
19.	In C+	+, is the hiding of data an	d opera	tions from the user.		
	(a)	encapsulation	(b)	inheritance		
	(c)	modularity	(d)	polymorphism		
Ans:	Α					
20.		is a(n) functional language.				
	(a)	object oriented	(b)	procedural		
	(c) D	declarative	(d)	functional		
Ans: 21.	D The o	nly longuage understood by computer hardw	are is a	languaga		
21.	(a)	nly language understood by computer hardwa symbolic	(b)	machine		
	(a) (c)	high level	(d)	nautral		
Ans:	B		(u)	nautai		
22.	2	languages are also known as asso	embly la	anguages.		
	(a)	symbolic	(b)	machine		
	(c)	high level	(d)	nautral		
Ans:	Α					
23.		oftware used to write a program is called a		·		
	(a)	source file	(b)	preprocessor		
	(c)	translator	(d)	text editor		
Ans:	D	1 1 11 .				
24.		ular object oriented language is	 (b)	C++		
	(a) (c)	COBOL	(b) (d)	FORTRAN		
Ans:	B	CODOL	(u)	PORTRAIN		
25.		dard data type in the C++ language is		_		
	(a)	char	(b)	 int		
	(c)	float	(d)	all of the above		
Ans:	D					

II. Write C++ statements to accomplish each of the following tasks

1. Assign the value 250 to the double variable sum.

Ans: double sum=250;

2. Display the value of integer variable sum on the screen.

Ans: cout<<sum;

3. Declare a constant named PIE with the value 15.

```
Ans: const float pie=15;
```

- 4. Display the values between 1 and 10 on the screen.
 Ans: for(i=1;i<=10;i++)
 - cout<<i;
- 5. The function reads a single character from the user. Ans: getch()
- 6. Write the equivalent increment statement of count = count + 1Ans: count++;
- 7. Write the escape sequence for carriage return.Ans: "\r"
- 8. Write the equivalent assignment operator of x = x + 5
- Ans: x + = 5;

9. Write the syntax of for loop.

- Ans: for(assignment statement;test expression;increment operator)
- 10. Write a statement using AND logical operator.

Ans: if(age>30&&age<65)

11. Write a statement using OR logical operator.

Ans: if(basic>2500||salary<5000);

12. Write a statement using NOT logical operator.

Ans: if(!(grade>50))

13. Write a statement to test equality.

Ans: if(y%2==0)

14. Write the syntax of do while loop.

Ans: do{statement} while(expression)

- 15. Write a statement to initialize array.
- Ans: int mm[5]={4,55,3,65,9};
- III. Define

- 1. What is high level language.
- **Ans:** High-level languages is a language that allow programmers to write instructions that look almost like everyday English and contain commonly used mathematical notations
- 2. What is compiler.
- **Ans:** A compiler is a Translator program that convert high-level language programs into machine language.
- 3. Define the term algorithm.
- **Ans:** A procedure for solving a problem in terms of
 - 1. The action to execute
 - 2. The order in which the actions execute
 - is called an algorithm.
- 4. Define for loop, with example?
- Ans: For repetition statement specifies the details (initialization, loop test condition, increment or decrement) in a single line of code.
 Example: for (int i=1; i<=10; i++)</p>
 - for (int i=1; i<=10; i++) cout<< i<<endl;
- 5. Define the term Keyword.
- **Ans:** A keyword is a word in a code that is reserve by C++ for a specific use. Example: int, char, if, else, switch, while etc.
- 6. What is Block in c++ language.
- **Ans:** A set of statement contain within a pair of braces ({ and }) is called a compound statement or Block
- 7. What is unary operator, explain with example.
- **Ans:** A unary operator is an operator that applies only a single variable. Example: ++a (Preincrement), (postincrement) a++, etc
- 8. Define the break statement with example.
- Ans: A break statement is used to terminate a control statement's execution Example: switch(day) { case 1: cout<<"Saturday"; break;
 - }
- 9. What is logical AND and logical OR.
- **Ans:** Logical AND(&&) operator is used when we wish to ensure that two conditions are both true before we choose a certain path of execution.

Logical OR (||) operator is used when we wish to ensure at some point in a program that either or both of two conditions are true before we choose a certain path of execution.

- 10. What is Function in C++, Give an example.
- **Ans:** Functions allow the programmer to modularize a program by separating its tasks into self-contained units.

```
Example: int square()
{
cout<<"square of integer"<< a;
```

```
return a*a;
}
```

Q.1	include <iostream></iostream>
	void main()
	cout<< my name is";
Ans:	# include <iostream></iostream>
void n {	
cout<	< my name is "";
}	
Q. 2:	#include <iostrea></iostrea>
C	void main()
	{
	int x,y
	cout<<"enter two integer";
	cin>>x>y;
	if(x==y) cout< <x<<"==""<<y;< th=""></x<<"==""<<y;<>
	}
Ans:	#include< iostream >
	void main()
	{
	int x,y ;
	cout <- "enter two integer";
	cin>>x> > y;
	if(x==y)
	cout< <x<<"==""<<y;< th=""></x<<"==""<<y;<>
	}
0.2.	tin aluda zioatmam
Q.3:	<pre>#include<iostream> void main()</iostream></pre>
	{
	Int grade;
	std:cin>>grade;
	If grade>=60
	cout << "passed";
	else cout << "fail";
	<pre>cout << fail , }</pre>
Ans:	#include <iostream></iostream>
	void main()
	{
	Int grade;

IV. Find out the syntax errors in the following codes and rewrite the correct code:

	std: : cin>>grade;	
	If(grade>=60)	
	cout << "passed";	
	else	
	cout << "fail";	
	}	
)	
Q.4:	#include <iostream></iostream>	
C	using std::cout;	
	using std::endl;	
	void main()	
	{	
	int c=0	
	while (c <= 10)	
	{	
	C++;	
	cout< <c <<\n";<="" td=""><td></td></c>	
Answer:	<pre>#include <iostream></iostream></pre>	
	using std::cout;	
	using std::endl;	
	void main()	
	{	
	int $c=0$;	
	while($c \le 10$)	
	{	
	¹ C++;	
	·	
	cout< <c "`\n";<="" <<="" td=""><td></td></c>	
	}	
Q.5:	#include <iostream></iostream>	
2	using std::cout;	
	using statieodd;	
	using stuttenut,	
	int main()	
	{	
	For(int i=0,i<=10;i+-	
	cout< <i<endl;< td=""><td></td></i<endl;<>	
	}	
Answer:	, #include <iostream></iostream>	
	using std::cout;	
	using std::endl;	
	int main()	
	{	
	For(int i=0 ; i<=10; i++)	
	101(1111-091) - 10,1++)	

```
cout<<i<<endl;
return 0;
}</pre>
```

- V. Rewrite the following programmes:
- Q.1: Rewrite the following program using *for loop* and write down the output of the program:

Ans: #include <iostream>
 using std::cout;
 void main()
 {
 int a=2;
 while (a<=6)
 {
 cout <<a<< " ";
 a++;
 }
 </pre>

Q.2: Rewrite the following program using *for loop* and write down the output of the program:

Ans: #include<iostream> using std::cout; void main() { int a=6;

```
while(a<=60)
{
    cout<<"the table of the given no. is"<<a<<"\n";
    a+=6;</pre>
```

```
}
}
```

Q.3: Rewrite the following program using *while loop* and write down the output of the program:

Ans: #include<iostream>
 using std::cout;
 void main()
 {
 for(int x=1;x<=10;x++)
 cout<<" the series of the no. is" <<x<<"\n";</pre>

```
coi
l
```

Q.4: Rewrite the following program using *while loop* and write down the output of the program:

```
Ans: #include <iostream>
```

using namespace std; void main() { int total, gradeCounter, grade, average;

```
total = 0;
gradeCounter = 1;
while ( gradeCounter <= 10 )
{
  cout << "Enter grade: ";
  cin >> grade;
  total = total + grade;
  gradeCounter = gradeCounter + 1;
  }
  average = total / 10;
  cout << "\nTotal of all 10 grades is " << total << endl;
  cout << "Class average is " << average << endl;
  }
</pre>
```

Q.5: Rewrite the following program using *do-while loop* and write down the output of the program:

```
Ans: #include <iostream>
```

- VI. Write programmes:
- Q.1: Write a program using if else statement for the result of the student based on the given condition:
 - a) If the grade is greater than 75 print "Distinctions"
 - b) If the grade is greater than 60 print "Pass"
 - c) If the grade is less than 60 print "Fail"

Ans: #include<iostream>

```
using std::cout;
using std::cin;
void main()
{
int grade;
cout<<"enter the grade";
cin>>grade;
if(grade>=75)
cout<<"distingtion";
else
if(grade>=60)
cout<<"pass";
else
cout<<"fail";
}
```

Q.2: Write the program to print square of an integer using function.

Ans: #include<iostream>
int square(int y)
{
 int p;
 p=y*y;
 return p;
 }
 using std::cout;
 void main()
 {
 int i;
 i=10;
 cout<<square(i)<<"";
 }
</pre>

Q.3: Write a program to enter number and print the name of the day using *switch statement*

Ans: #include <iostream>
 using namespace std;
 void main()
 {
 int day;
 cout<<"Enter the day : ";
 cin>>day;
 switch (day)
 {
 case 1:
 cout<<"Saturday"<<endl;
 break;</pre>

```
case 2:
cout<<"Sunday"<<endl;
break;
case 3:
cout<<"Monday"<<endl;
break;
case 4:
cout<<"Tuesday"<<endl;
break;
case 5:
cout<<"Wednesday"<<endl;
break;
case 6:
cout<<"Thursday"<<endl;
break;
case 7:
cout<<"Friday"<<endl;
break;
default:
cout << "Incorrect entery."<<endl;</pre>
break;
}
}
```

KINGDOM OF SAUDI ARABIA

MINISTRY OF HIGHER EDUCATION



المملكة العربية السعودية وزارة التعليم العالى
JAZAN UNIVERSITY, J	AZAN		جامعة جازان
Collage of Computer نظم المعلومات	and Information Syster	لآلی و ns	كلية الحاسب ا
Student Name :		Student II	D :
Group :		Level	:
Preparatory Year			
Subject : Pro	gramming in C++	Code	: Comp -
011			
Exam Day :		Exam date	2 :
1434H			
Exam Duration: 2 Ho	ours		
	Student An	nswer Shee	t
· · · · ·	Spring Term	Academic Year :	1434-1435 H
	MARKS DIS	STRIBUTION	
SECTION - A	SECTION - B	SECTION - C	Total (in words)
1			
	9	14	
2	9 10	14 15	
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2 3	10	15	
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CLASS WORK (OUT OF 60))		
		GRAND TOTAL (OUT OF 100)						
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	Course Coordinato r Leader		Exam Commit			20	QAU Exam	
			- 1 - 2			Evaluator		
Note : This question Paper <u>is not Eligible</u> for printing <u>if not</u> <u>signed</u> by any of above signatures								
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or						Coordinator/Head		ator/Head
Note: All questions are compulsory. Please use the left side blank sheet for extra								

work

Q.1.	Answer the following questions	[2*3=6
Marks	s]	

i. Define keyword with example.

iii.	(a) ;	(b):	(c) "	(d) >> Page 39 of 4
iii .				
	Every stateme	ent in C++ should e	nd with	
	(a) @	(b) #	(c) *	(d) \$
ii.			n with	
unes	5			
times	(a) 10	(b) 1	(c) 0	(d) infinite
i.			; " for (; ;) " will execut	
Q.2 Marl		vice Questions:		[10*1=10
				[40*4 40
ii.	Define while	repetition staten	nent.	

iv.is English like representation of the code.(a) Flowchart(b) Algorithm(c) Program(d)Pseudo code

v. C++ is an example of _____ languages.

(a) Assembly languages (b) Machine languages (c) High level languages (d) All of the above



Q.3. Write the following Programs: [2*5=10 Marks]

i. Write a program using if else statement to find out the result of a student based on the following conditions:

- If the grade is greater than 75 then Display "Distinction"
- If the grade is greater than 60 and less than 75 then Display "Pass"

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- If the grade is less than 60 then Display "Fail"

ii. Write a program using switch statement to Display the name of a day of the week when a user

enters a number between 1 and 7, otherwise display incorrect entry.

_____ ---_____ ------_____ ---_____ ___ _____ ---_____ ---___ _____ ---_____ ---_____ ___ Programming in C++ 3 Alternative Exam 1433-1434 н

Q.4. Find out the syntax errors in the following codes and rewrite the correct code:

```
[2*4=8
  Marks]
i.
  include <iostrea>
  using namespace std;
  void main()
  {
   int x,y
   cout<< "enter two integer";</pre>
   cin>>x>y;
   if(x==y
   cout<<x<< " =="<<y;
   return 0;
  _____
---
    _____
---
     _____
___
---
    _____
___
---
    _____
---
```

```
_____
                     _____
---
    _____
---
        _____
---
ii. #include <iostream
 using namespace std;
 vid min()
 {
  int c=0;
  whle(c<= 10
 {
  c++;
  cou<c <<\n";
 }
    Programming in C++ Alternative Exam
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___
        _____
---
    _____
___
      _____
___
```

Q.5. What will be the output of the following code? [2*3=6 Marks]

_	
-	
-	
	Programming in C++ Alternative Exam
	1433-1434 H
-	
-	
	include <iostream></iostream>
ι	using namespace std;
ι v	using namespace std; void main()
ι	using namespace std; void main()
ι v	using namespace std; void main() for (int x=10; x>=2; x-=2)
ι ν {	using namespace std; void main() for (int x=10; x>=2; x-=2) cout< <x<<"\n ";<="" td=""></x<<"\n>
ι v	using namespace std; void main() for (int x=10; x>=2; x-=2) cout< <x<<"\n ";<="" td=""></x<<"\n>

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Kingdom of Sau Ministry of Hig Course Code: 011	idi Arabia her Education	AL	Jazar	hip of Preparatory Year University Marks: 20
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Alternative Exam

1433-1434 н

INIVERSIT

Deanship of preparatory year

Programming in C++

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Examination for the summer Term - Academic Year 1434 – 1435 H Alternative Mid-Term

	lect the correct option of your		
i.	- •	choice from the followings:	(5*1=5 Marks)
	Which of the following is used	to give tab space between two wo	ords.
	(a) \t	(b) \	
	(c) /t	(d) None of the above	
ii.	Output Statement uses the operation	ator with "cout"	
	(a) >	(b) >>	
	(c)<<	(d) @	
iii.	Statement in c++ should end w	vith	
	(a) ;	(b) :	
	(c),	(d) .	
iv.	Single-line comment uses:		
	(a) \\	(b) //	
	(c) /*	(d) *\	
v.	conditional operator is to	ernary operator it takes three oper	rands.
	(a) ? :	(b) >>	
	(c) /*	(d) #	
Q.2	Define the following terms.		(2*2=4 Marks)
	(i) Block in C++ language.		

High Level Language. (ii) Find out errors in the below given program? Q.3 (2*3=6 Marks) (i) #include<iostream</pre> #include<conio.h> using namespace std; void main(); { int n,sqr,cub cout<<"Enter the number : ";</pre> cin>>n; sqr=n*n; cub=n*n*n; cout<<"\nSquare="<<sqr; cout>>"\nCube="<<cub; getch(); } Answer:

```
(ii) #include<iostream>
    include<conio.h>
    using namespace std;
     void main()
     {
       int i:
       for(i=1; i<=10, i++)
         {
          cout<<i<<endl;
         }
          getch();
      }
         Answer:
```

Q.4 Write a Program to find the greatest of three numbers. (5*1=5 Marks)

.....

***** Good Luck *****