KABARAK



UNIVERSITY

UNIVERSITY EXAMINATIONS

2009/2010 ACADEMIC YEAR

FOR THE DEGREE OF BACHELOR OF BUSINESS MANAGEMENT

& INFORMATION TECHNOLOGY AND BACHELOR OF

TELECOMMUNICATION

COURSE CODE: BMIT 226

COURSE TITLE: COMPUTER PROGRAMMING

STREAM: Y2S2

DAY: FRIDAY

TIME: 9.00 – 12.00 P.M.

DATE: 26/03/2010

INSTRUCTIONS:

Answer question ONE and any other THREE

PLEASE TURN OVER

SECTION A: Answer Question Is Compulsory

QUESTION ONE (40 marks)

a. Write notes on message passing and polymorphism		[4marks]
b. Using a suitable example write while stateme	ent syntax and explain it	[4 marks]
c. Explain any four derived data types used in C language		[4 marks]
d. Write a C program to compute the student grad MARKS 80 To 100 60 To 79 50 To 59 40 To 49 0 To 39 The program should print student Roll Number	GRADE Honours First Division Second Class Third Divisions Fail	
e. Explain steps used to execute a C program		[4 marks]
f. Write a c++ program to find the largest value o user through the keyboard.	f any three numbers ente	ered by the [6 marks]
g. Describe enumerated data type as used in C++		[4 marks]
k. Using a suitable example explain for loop state	ment	[4 marks]
m. Discuss elements of user defined functions		

SECTION B: ANSWER ANY THREE QUESTIONS

QUESTION TWO (20 Marks)

a)	•	e error and rewrite the program	[4 marks]
	# incl	ude <stdio.h></stdio.h>	
	main		
	{		
		int A,b, sum;	
		printf ("ENTER VALUE FOR A ; ")	
		scanf ("%d",\$a);	
		printf(ENTER VALUE FOR B ;");	
		scanf("%d",&b);	

sum=a+b printf("Sum Of Given Two Numbers are %d" Sum);

} }
b) Write a c language program to read a number and find whether the given number is even or odd. [5 marks]

c) Write a c+	-+ program to find factorial of given number	[6 marks]
d) . Explain	five principles of object oriented programming	[5 marks]

<u>QUESTION THREE</u> (20 Marks)

a) Using else if statement write a c++ program to display the day depend choice entered by the user from the key board	ding ion the [6 marks]	
b) Identify the error and correct the program. #include <stdio.h> main() { int i; printf("enter a number") scanf " ",&i); if(i<=50) printf("\n entered number is <50)</stdio.h>	[4 marks]	
c) Describe the class structure	[4 marks]	
d) (i) What is a Pointer(ii) Describe four the advantages of using pointers	[2 marks] [4 marks	
<u>QUESTION FOUR</u> (20 Marks)		
a) (i) What is variable.(ii) What are the rules followed when declaring it.	[1 marks] [3 marks]	
 b) Differentiate the following: (i) Compiler (ii)Translator 	[2 marks]	
c) Discuss any three advantages for using functions in a program	[3 marks]	

d) Describe the following functions.	[6 marks]
(i) Call by value	
(ii) Call by reference	
(iii) Inline function	
e) Write a program to calculate the area of triangle	[5 marks]

<u>QUESTION FIVE</u> (20 Marks)

a. (i) What is inheritance?(ii) Discuss any four types of inheritance available in c++.	[2 marks] [4 marks]
b. Write a C++ program to find the sum of first 100 natural Numbers Statementc. Write a C program to accept student roll no, marks in 3 subjects and average and print it	[4 marks]
d. (i) What is a constructor(ii) When are they used in a program	[1 marks] [3 marks]
e. Explain any two logical operators used in c++	[2 marks]