

## UNIVERSITI TUN HUSSEIN ONN MALAYSIA

## **FINAL EXAMINATION SEMESTER I SESSION 2017/2018**

COURSE NAME

: COMPUTER PROGRAMMING

**COURSE CODE** 

: BIT 10303

PROGRAMME CODE : BIT

EXAMINATION DATE : DECEMBER 2017 / JANUARY 2018

DURATION

: 3 HOURS

INSTRUCTION

: A) ANSWER ALL QUESTIONS

B) PLEASE WRITE YOUR

ANSWERS IN THIS QUESTION

**BOOKLET** 



THIS QUESTION PAPER CONSISTS OF TWELVE (12) PAGES

Q1

)	State	each of the following identifier is <b>VALID</b> or <b>INVALID</b> .	
	(i)	Integer	(1 mark)
		Answer:	
	(ii)	_6sixMan	(1 mark)
		Answer:	
	(iii)	ut hm.	(1 mark)
		Answer:	
	(iv)	price*items	(1 mark)
		Answer:	



(b)	State each of the following statement is TRUE or FALSE.						
	(i)	i   is similar to i - i + 1  Answer:	(1 mark)				
	(ii)	The placeholder for a string data type is %c.  Answer:	(1 mark)				
	(iii)	The process of correcting errors is called compiling.  Answer:	(1 mark)				
	(iv)	iPtr = &i, mean that iPtr get address of i.	(1 mark)				



Answer: \_\_\_\_

Q2

Assign value 0.5 to the variable bonus.	(2 1
Answer:	
Declare a function land that receives two integers' heig	ht <b>and</b> width
Answer:	
Read an integer number from the keyboard and store num. Assume that the variable has been declared.	
•	it in the var
num. Assume that the variable has been declared.	(2 m

TERBUKA

Determine the output(s) of the following code segments. Q3

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
int total = 3;
int number;
for (number = 2; number<9; number += 2)</pre>
      total += number;
     printf ("%d \t",total);
printf ("\n %d", number );
getch();
```

(8 marks)

Answer:						



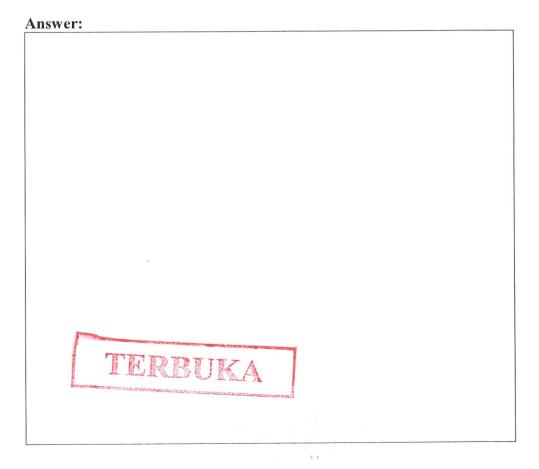
Q4 Answer the following questions based on the given case study.

As a Software Engineer in Sound Department, you have requested to develop C program in order to associate noise loudness measured in decibel with the effect of noise. **Table 1** shows the relationship between noise levels and human perception of noises.

**Table 1: The Scale of Noise Loudness Categories** 

Loudness in Decibels (db)	Noise Categories
50 or lower	Quiet for human
From 51 to 70	Intrusive for human
From 71 to 90	Annoying for human
From 91 to 110	Very annoying for human
Over 110	Uncomfortable for human

(a) Write a pseudo-code for detection of noise categories as stated in **Table 1**. (10 marks)



				(15 m
Answer:				
	Tr.			
	¥.			

Write a complete C statement in Figure Q5 (a) to produce output as in Figure Q5 (b).

```
#include <stdio.h>
#include <conio.h>
void cetak(int x);
void barisBaru(int x);

int main()
{
  int no1 = 8, no2 = 9, no3 = 3;
  cetak(no1);
}

void cetak(int x)
{
  }

void barisBaru(int x)
{
  }
}
```

Figure Q5 (a)

89		
3		

Figure Q5 (b)

(16 marks)



## Answer:



Q6 Answer the following questions based on the given case study.

Forest Agricultural Private Limited is one of the multinational company which provide land surveyor and modern agricultural development with more than 50 dedicated staff. Most of the staff always travel and work outside main office. Company management been decided that calculation of mileage reimbursement for a staff in a company at a rate of RM0.70 per kilometer.

Answer:	(5 m
Answer.	
*	

(b) Write a complete C program that permits interaction with user in the following example.

Enter beginning odometer reading => 1200.7 Enter ending odometer =>1595.4 You have travelled 394.7. Your total reimbursement is 276.29

The program should include these two function calls,

calculatedistance (begin, ending); calculatereimbursement (milesKm);

(30 marks)

Answer:	
*	
·	
*************************************	7
CEPRIE	
<b>TERBUKA</b>	
e e line de reconstruir de la colonidation de la participat de la colonidation de la colo	
I .	net / New York

TERBUKA - END OF QUESTION-