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OFFICE OF THE DEPUTY PRINCIPAL

ACADEMICS, RESEARCH AND STUDENTS' AFFAIRS

UNIVERSITY EXAMINATIONS

2020 /2021 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER REGULAR EXAMINATION

FOR THE DEGREE OF BACHELOR OF BUSINESS MANAGEMENT

COURSE CODE: BBM 210

COURSE TITLE: COMPUTER PROGRAMMING

DATE: 10/03/2021

TIME: 9.00am-12.00pm

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 4 PRINTED PAGES

PLEASE TURN OVER

INSTRUCTIONS TO CANDIDATES

1. Answer question **ONE** (compulsory) and any other **TWO** questions
2. Maps and diagrams should be used whenever they serve to illustrate an answer
3. Do not write on the question paper

Question One(30 Marks)

- a) Explain the difference between machine language and assembly language (4 marks)
- b) Give a short history of C programming language (4 marks)
- c) Explain what variable initialization is and why is it important (4 marks)
- d) Explain the following parts of a c programme (10 marks)
- i. #include <stdio.h>
 - ii. #include <conio.h>
 - iii. void main()
 - iv. printf()
 - v. getch()
- e) Keyword are reserve words in C programming language. Giving five examples ,explain the meaning of keywords in C language (5 marks)
- f) Explain the uses of the following loop statement in C language (3 marks)

Question two(20Marks)

- a) Write a algorithm to find out number is odd or even (5 marks)
- b) Explain the output of the following problem (5 marks)

```
#include <stdio.h>
int main()
{int i=4;
if(i=0)
printf("statement 1");
Else
printf("statement 2");
return 0;
}
```

- c) Explain the difference between a variables and constants (4 marks)
- d) Write a loop statement that will show the following output: 1 12 123 1234 12345> (6 marks)

Question Three(20 Marks)

- a) In C programming, write a command or code that can be used to determine if a number of odd or even (5 marks)
- b) Describe the steps that are followed when executing a C program. (5marks)
- c) Explain the If.....Else statement. Give the syntax. (5marks)
- d) Describe the steps used in a computer program development life cycle (5 marks)

Question Four(20 Marks)

- a) Discuss any five guiding principles of designing a good computer programme (5 marks)
- b) Discuss three advantages of machine language (5 marks)
- b) The name of a variable can be composed of letters, digits, and the underscore character. Describe the basic variable types in C language (10 marks)

Question Five(20 marks)

- a) Write a code that will produce the following output: (10 marks)
 - i. Addition of a, b is : 60
 - ii. Subtraction of a, b is : 20
 - iii. Multiplication of a, b is : 800
 - iv. Division of a, b is : 2
 - v. Modulus of a, b is : 0

- b) Write a programme in which value of — i is decremented one by one from 20 up to 11 using —i— operator and output is displayed as —20 19 18 17 16 15 14 13 12 119 (10 marks)
