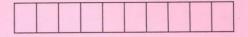
Total No. of printed pages = 3

BMD 171202

Roll No. of candidate



2018

B.Des. 2nd Semester End-Term Examination

INTRODUCTION TO COMPUTER PROGRAMMING

(New Regulation)

Full Marks - 70

Time – Three hours

The figures in the margin indicate full marks for the questions.

Answer question No. 1 and any four from the rest.

- 1. (a) Choose the correct answer from the following :: $(5 \times 1 = 5)$
 - (i) Which of the following language is predecessor to C Programming Language?
 - (1) A
 - (2) B
 - (3) BCPL
 - (4) C++

(ii) All keywords in C are in

- (1) LowerCase letters
- (2) UpperCase letters
- (3) CamelCase letters
- (4) None of the above

[Turn over

(iii) Unsigned char has a range from 0 to

(1)	253	(2)	254
(3)	255	(4)	256

- (iv) A variable declared in a function can be used in main
 - (1) True
 - (2) False
 - (3) True if it is declared static
 - (4) None of the above
- (v) A function to be called must be ended with a
 - (1)
 - (2) ?
 - (3)
 - (4) None of the above
- (b) State true or false for the following statements : $(5 \times 1 = 5)$
 - (i) The modulus operator % can be used only with integers.
 - (ii) A recursive function calls itself again and again.
 - (iii) Only one break can be used in one loop.
 - (iv) = and = = have the same operation.
 - (v) The main () function can be called from any other function.
- 2. (a) Explain the different kinds of loops available in C with examples. (10)
 - (b) Write a C program to print the following output using nested loops. (5)

BMD 171202

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- 3. (a) Explain one dimensional array with an example. (5)
 - (b) Write a program to find multiple of two matrices.

(10)

- 4. (a) What is structure? Write the syntax to define structure. (3+2=5)
 - (b) Declare a structure 'Book' having data, members' title, author and price. Accept this data for one variable and display accepted result. (10)
- 5. (a) Explain about AND, OR, NOT, NAND and NOR gate with diagram and truth table for each. (10)
 - (b) Write a program to print Fibonacci series up to 100. (5)
- 6. (a) Demonstrate the usage of switch statement with an example. (7)
 - (b) Explain the use of break and continue statement with example. (8)
- 7. (a) Explain the various Decision making statements in C with an example for each. (10)
 - (b) Explain the use Printf() and scanf() function with example. (5)

BMD 171202