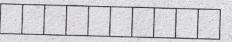
Total No. of printed pages = 4

BMD 171202

Roll No. of candidate



2019

B.Des. (MCD) 2nd Semester End-Term Examination

INTRODUCTION TO COMPUTER PROGRAMMING

(New Regulation)

(w.e.f 2017 - 2018)

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. Answer the following: (ordering/MCQ/Fill in the blanks)

 $(10 \times 1 = 10)$

(i) Write down the following computer in history manner:

(a) Mark 1

(b) The ENIAC

(c) Herman Hollerith

(d) The Atanasoff-Berry Computer (ABC)

(ii) Which is the correct equivalent of 1GB?

(a) 1000 bytes

(b) 1000 megabytes

(c) 1000000 bytes

(d) None

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(iii) Where resides the CPU and primary memory?

- (a) Chip
- (b) Motherboard
- (c) Both
- (d) None
- (iv) The decimal representation of '1011' is ______ which is negative decimal number.
- (v) The binary representation of '62' is ______ in 6 bits.
- (vi) What is the use of third term in for loop?
 - (a) Initialization
 - (b) Increment
 - (c) . Decrement
 - (d) Both 'ii' and 'iii'
- (vii) What is the full form of MICR?
 - (a) magnetic-identity character recognition
 - (b) magnetic-ink character recognition
 - (c) magnetic-ink character receptor
 - (d) None

(viii) What is the role of MSB in binary number?

- (a) magnitude
- (b) sign
- (c) None
- (d) Both
- (ix) In which case, "incompatible implicit declaration of built-in function" error occurs?
 - (a) Function missing and header file exiting
 - (b) Function existing and header file missing
 - (c) Function missing and header file missing
 - (d) None
- (x) The length of string is count using _____ function.

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| 2. (a | programming examples, and find the key |
|--|--|
| | differences between both. (8) |
| (b | |
| | strings using string function. (7) |
| 3. (a | |
| (b | |
| | number matrix. (7) |
| | 1-1234 5 |
| | 2-1234 |
| | 3-123 |
| | 4-12 |
| | 5-1 |
| 4. (a | 에는 것은 것을 하는 것은 것을 하는 것을 해야 할 수 있는 것을 수 있는 것을 수 있는 것을 하는 것을 하는 것을 하는 것을 수 있는 것을 수 있는 것을 하는 것을 수 있는 것을 수 있는 것을 수 있 |
| | Add a datatype in it to remove this error. (5) |
| ** | # include <stdio.h></stdio.h> |
| | main() |
| | |
| 1990 - 1977 - 19 | int x; |
| | mul(int, float); |
| | x = mul(4, 0.50): |
| | printf("\n %d", x); |
| | <pre></pre> |
| | mul (int xx, float yy) |
| | return (xx*yy); |
| | } |
| (b | |
| | number matrix. (10) |
| | 1-54321 |
| | 2-5432 |
| | 3-543 |
| 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - | 4-54 |
| | 5-5 |
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| Din 1 | |

| (a) Describe the generation of computers in de with size, technology used, language used machine examples. (b) Differentiate among molecular, quantum, and biological computing. | , and (7) DNA (8) |
|---|----------------------------|
| | (8) |
| and biological computing. | |
| . (a) What is the key difference between hard and software components and explain al hardware components? | |
| (b) How do computers communicate and ex the encoding schemes? | olain (7) |
| . (a) Classify the computers with their capabi such as processing, use and manufacturers | lities (8) |
| (b) How to do programming in modern comput | ers? (4) |
| (c) What is the role of register and memory in the machine? | nside (3) |

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