N SHOT ON OPPO

2019

Time: 3 hours

Full Marks: 80

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions in which Q. No. 1 is compulsory.

- 1. Choose the correct alternative of the following:
 - (a) The right most bit in a data word is called:
 - (i) Most Significant bit
 - (ii) Least Significant bit
 - (iii) Dirty bit
 - (iv) Access bit
 - (b) Magnetic tape is an example of:
 - (i) Sequential access
 - (ii) Random access
 - (iii) Both (i) and (ii)
 - (iv) None of these

- (c) ALU works on the instruction and data held in the :
 - (i) Notebook
 - (ii) ROM
 - , (iii) Register
 - (iv) I/O device
- (d) The fastest access memory is
 - (i) Cache memory
 - (ii) Register
 - (iii) Main memory
 - (iv) None of these
- (e) Which one is convert Hight Level Language into Low level Language?
 - (i) Assembler
 - (ii) Compiler
 - (iii) Interpreter
 - (iv) Both (ii) and (iii)
- (f) Which topology requires a multipoint connection?
 - (i) Mesh
 - (ii) Star
 - (iii) Bus
 - (iv) Ring

Contd

- (g) A inked ribbon exists between Hammer and Paper is called :
 - (i) Non-impact Printer
 - (ii) Laser Printer
 - (iii) Ink Jet Printer
 - (iv) None of these
- (h) Which one is a Single User Operating System?
 - (i) Novel Netware
 - (ii) Unix
 - (iii) Window XT
 - (iv) CP/M
- 2. What are binary numbers? What is the base of Decimal and Binary number? Explain the advantages of using (0.1) notation in the Binary System.
- What are the difference between Primary and Secondary Memory Unit? Explain the different types of Secondary Memory Unit.
- 4. What do you mean by Central Processing Unit? Describe, in details, the various units of CPU with diagram.

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(3)

(Tum over)

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- 5. What is Programming Language? Describe the different generation of Programming Language
- 6. What is an Operating System? List and briefly define the different types of Operating System.
- 7. Discuss the various Generation of Computer along with the key characteristics of the computers of each generation.
- What is Network Topology? Explain various Network Topologies with their advantages and disadvantages.
- 9. Write short notes on any two of the following:
 - (i) Classification of Computers
 - (ii) Parallel Computers
 - (iii) Time Sharing Operating System
 - (iv) Communication Channel
 - (v) Communication Protocols

