## COPYRIGHT RESERVED

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

- 1. Choose the correct alternative of the following:
  - (a) What is the high speed memory between the main memory and the CPU called ?
    - (i) Register memory
    - (ii) Cache memory
    - (iii) Storage memory
    - (iy) Virtual memory
  - (b) Which of the following is used in main memory?
    - (i) SRAM

WC - 3/3

(Turn over)

WC-3/3 @ 3 Memory management technique in which secondary storage for use in main memory system stores and retrives data from (iv) Program status word 3 CPU fetches the instruction from memory according to the value of : 3 3 (iv) DDR Components that provide internal storage to Fragmentation the CPU are (iii) PRAM Instruction register Status register Program counter Internal chips Controllers Registers Program counters DRAM Contd. WC-3/3 (g) Both CISC and RISC architectures have (h) Piplining is a unique feature of : (ii) Paging (iii) Mapping (iv) None of the above (i) AND Which of the following is a universal gate? (ii) Ex-OR (iii) OR (iv) NAND been developed to reduce the: 3 (i) RISC (iii) Semantic gap (iv) All of the above 1 3 3 Cost Time delay CISC ANA ISA (3) (Turn over)

## 2017

Time: 3 hours

Subtractor can be implet

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

- 1. Choose the correct alternative of the following:
  - (a) Computer building blocks consists of:
    - (i) Memory, ALU, CU, input and output
    - (ii) I/O controllers, CPU, I/O devices
    - (iii) Memory, Cache, Register
    - (iv) Hardware, Software, Fireware
    - (b) Overflow occurs when:
      - (i) Data is out of range
      - (ii) Data is within range

ZH-27/3

(Turn over)







