

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name : Computer Organization and Architecture

Subject Code : 4CS03COA1

Branch: M.Sc.C.A. & I.T. (Integrated)

Semester : 3

Date : 11/03/2019

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

- Q-1 Attempt the following questions: (14)**
- a) BCD stands for _____ 1
- a) Binary Coded Diode System b) Binary Coded Decimal System
- c) Both A and B d) None Of This
- b) _____ is input device? 1
- a) Monitor b) Speaker
- c) Keyboard d) Printer
- c) _____ is known as fastest access memory 1
- a) Ram b) Cache Memory
- c) Rom d) None of this
- d) Which is an example of primary Memory. 1
- a) Ram b) Hard disk
- c) Pendrive d) None of this
- e) 1 byte = _____ bit 1
- a) 8 b) 3
- c) 6 d) None of this
- f) DMA Stands for _____ 1
- a) Direct Memory Agumated b) Direct Memory Auxiliary
- c) Direct Memory Access d) None of These
- g) Register is _____ device 1
- a) Sequential b) Combinational
- c) Storage d) None Of this
- h) _____ is types of ROM. 1
- a) EPROM b) EDPR0M
- c) ETPROM d) All Of the Above
- i) Scanner is which type of device. 1
- a) Input b) Output
- c) Both A and B d) None Of This
- j) Define Computer. 1
- k) CPU stands For. 1
- l) Define Hardware. 1



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|----|---------------------------|---|
| m) | What is BUS? | 1 |
| n) | Write a Full form of ALU. | 1 |

Attempt any four questions from Q-2 to Q-8

Q-2	Attempt all questions	(14)
1	Explain the Block Diagram of digital Computer	7
2	Explain the ALU Architecture in brief.	7
Q-3	Attempt all questions	(14)
1	List out input device. Explain any two device in brief.	5
2	Explain the CU Architecture in brief.	5
3	Differentiate RAM Versus ROM	4
Q-4	Attempt all questions	(14)
1	What is Interrupts? Explain the types of Interrupts.	7
2	Explain CPU-IOP Communication in brief.	7
Q-5	Attempt all questions	(14)
1	What is BUS? Explain the BUS Organization with Diagram.	7
2	What is register? Explain the types of register	7
Q-6	Attempt all questions	(14)
1	List out output device. Explain any two device in brief.	5
2	Write brief note on Keyboard.	5
3	What is ROM? Explain types of rom.	4
Q-7	Attempt all questions	(14)
1	What is Instruction Code? Explain in brief.	7
2	Explain scanner device in detail.	7
Q-8	Attempt all questions	(14)
1	Explain types of memory.	7
2	Explain the CPU Architecture with diagram in brief.	7

