COA Q PAPER FORMAT

Instructions to Candidate

1. All questions are compulsory.
2. Neat diagrams must be drawn wherever necessary.
3. Figures to the right indicate full marks.

Q.N.	CO No	BT No*		Max marks
Q. 1	CO1	2	A. Attempt any one Any One Computer Arithmetic , Booths algo	
		3	B. Solve Any one of the following Division , Floating point number	10
Q. 2	CO 2	4 2	**A. Attempt any two of the following** RISC CISC , Advances in Pipelining super architectures , Address bus, data bus **B.** instruction cycle / pipelining	10
Q. 3	CO3	3 3,4	**A.** complete instruction execution **B.** Solve **any ONE** of the following Control Units	10
Q. 4.	CO4	1,4	A. Solve any TWO of the following (3 Marks each) DMA/IO mapping techniques / Types of memories **B.** Mapping techniques / Virtual memory	12
Q. 5.	CO 5	4 2	A. Multicore Architecture B. Flynn's Classification	10
Q. 6.	CO 1-5	1-5	Solve **any FOUR** of the following (**TWO** Mark each) Number conversion ,MAR and MDR , Flynn's Classification , Cache coherence , locality of reference interrupt processing etc	8

CO Statements:

CO1: To Demonstrate Computer Architecture concepts along with Computer arithmetic and various related algorithms

CO2: Compare design of modern processors with reference to Instruction pipeline .

CO3: Illustrate the micro-operations sequencing in control unit and describe I/O organization

CO4: Describe concepts related to memory Hierarchy & IO organization

CO5 : Classify and state need and design of modern processor architecture.

*Blooms Taxonomy (BT) Level No:

1.   Remembering; 2. Understanding; 3. Applying; 4. Analyzing; 5. Evaluating; 6. Creating