Paper / Subject Code: 39404 / COMPUTER ORGANIZATION AND ARCHITECTURE

S.E.(INFORMATION TECHNOLOGY)(Sem IV) (R 2012)(CBSGS) - COMPUTER ORGANIZATION AND ARCHIT

	(3 Hours)	[Total Marks: 80]
Note: Q1 is compulsory. Attempt any THREE out of Assume suitable data if nece		
Q1. Attempt any 4 sub questions		
b) What is instruction pipelir	igned binary restoring division algo Give suitable example.	$(5\mathrm{M})$
Q2. a) What is stored program cond b) Differentiate between hardy	cept? Explain Von-Neumann archite wired and microprogrammed approa	
IEEE 754 binary floating po	0625) ₁₀ in single and double precision trepresentation formats. Explain different types of Pipeline	
4 a) Explain addressing modes wit	h suitable examples.	(10 M)
b) Draw the flowchart of Booths using Booths algorithm.	s algorithm and multiply (-7)*(3)	(10 M)
Q5. a) Explain Interrupt driven I/O. b) Explain different cache mem		(10 M) (10 M)
Q6 Write notes on (any two) a) Interleaved and Association b) DMA. c) Instruction execution cycles		(20 M)