Please check that this question p	aper contains 7 question	ns and printed pages within first ten minute
ago i maddi. Agu mar dani ala Circa timba na shi bin ta ana an a	MORNING	
Total No. of Questions: 09]	0 9 JAN 202	[Total No. of Pages: 2.]
Uni. Roll No	A 3 Mis rar	
	Program: B.Tech. (Batch	2018 onward)
	Semester: 3 <sup>rd</sup> Name of Subject: Compu	ter Architecture
	Subject Code: PCEC-105	
	Paper ID: 16035	•
•	Scientific calculator is N	lotAllowed
Time Allowed: 03 Hours	•	Max. Marks: 60
NOTE:		
<ol> <li>Parts A and B are co</li> <li>Part-C has Two Que</li> </ol>	estions Q8 and Q9. Both a	are compulsory, but with internal choice
3) Any missing data m	ay be assumed appropriat	tery
·	Part - A	[Marks: 02 each]
1)		
a) Demons	trate history of computers	S.
b) Explain	different principles for ca	ache memory.
c) What is	scheduling in operating sy	ystem?
d) Make u	se of NUMA in parallel pr	rocessing.
,	lifferent types of memorie	es.
,		n for computer architecture.
	Part B	[Marks: 04 each]
•		d in computer architecture.
3) Explain PCI es	epress and point to point in	nterconnection in detail.
4) Outline advan	ced drum organization in c	detail.
5) Justify the use	of microinstruction seque	encing in operating system.
		tocol for multi-core computer with diagram
		rocessors and multi-core processors.
,		

## MORNING

Part - C

09 JAN 2023

[Marks: 12 each]

8) Contrast Flynn's classification of computers.

OR

Compare RISC v/s CISC in detail with their characteristics and example.

9) Construct a intel x86 multi-core organization and explain associated hardware and software performance issues.

OR

Design architecture of charged couple device used for semiconductor memories with their frame working and different type of regions.

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