	(Fol		Ranker.Cer's choice www.firstRa r ID and Roll No.	nk to be filled	NEC-022 in your	v.First er.cor
			Answer Books	)		
Paper ID: 131667			Roll No.	Roll No.		
			B.TECH			
	•	Theory Exam	mination (Semest	er-VI) 2015	-16	
	MIC	CROCONTI	ROLLER & ITS	APPLICA	TIONS	
Time: 3 Hours				Max.	Marks: 100	
			Section-A			
1.	Atte	empt all par	ts. All parts car	ry equal m	arks. Write	
	answer of each part in sort.				$(2\times10 = 20)$	)
	(a)	What is th	e difference betw uter?	veen microp	processor and	1
	(b)	What is CI	SC?			
	(c)	Give 8 and	16 bit registers o	f 8051.		
	(d)	Give addre	ssing mode of MO	OV A. #65h.		
	(e)	Which port	of 8051 requires	pull-up resis	stors?	
			(1)	<	P.T.O	
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Section-C

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CONTRACTOR CHARGESTS

reanization specifying working FirstRank www.First leggister and general purpose er.cor registers.

- (b) Explain stack and stack pointer. With the help of an example explain stack organization,
- (c) What do you understand by special function registers (SFR). Give their name, function and RAM address (HEX).
- (a) Show the design of an 8031 based system with 8kbyte of program ROM and 8 kbyte of data ROM.
  - (b) In certain application we need 256 kbye of NV-RAM to store data collected by 8051 microcontroller.
    - (i) Show the connection of an 8051 to single 256k × 8 NV-RAM chip
    - (ii) Show how various blocks of this single chip accessed?
  - (c) Draw the diagram of 8031 connection to external program ROM and 8255.

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