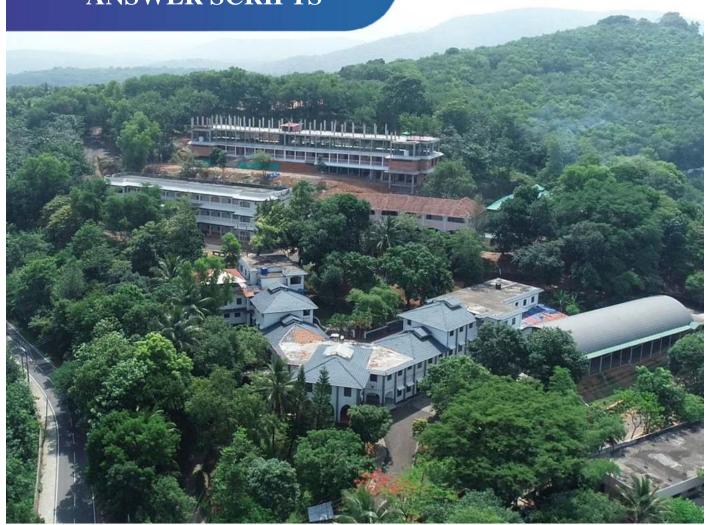


MES COLLEGE ERUMELY

QUESTION PAPER & ANSWER SCRIPTS



MODULE WISE EXAMINATION

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III SEMESTER BCA MODULE WISE EXAMINATION

CA3CRT07 - MICROPROCESSOR AND PC HARDWARE (CORE)

MODULE - I

Time: 45 Minutes

Max Marks: 25

PART - A

(Answer any 5 questions, each question carries 2 marks)

- 1. What is Microprocessor?
- 2. What is Data Bus?
- 3. What is Control Bus?
- 4. What is memory word?
- 5. What you mean by machine language?
- 6. What is registers?
- 7. What is accumulator?

PART - B

(Answer any 3 questions, each question carries 3 marks)

- 8. Write a note on classification of microprocessor.
- 9. Write a short note on Flag registers
- 10. Write a note on Timing Diagram for opcode Fetch Cycle
- 11. Write a note on INSTRUCTION CYCLE

PART - C

(Answer any 1 questions, each question carries 6 marks)

- 12. Explain internal architecture of 8085
- 13. Explain pin diagram of microprocessor 8085

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III SEMESTER BCA MODULE WISE EXAMINATION

CA3CRT07 - MICROPROCESSOR AND PC HARDWARE (CORE)

MODULE - II

Time: 1 Hour

Max Marks: 25

PART - A

(Answer all questions, each question carries 1 marks)

- 1. What are the classification of instruction set?
- 2. Discuss various type of addressing modes in Intel 8085.
- 3. Write a short note on symbols and abbreviations in used in 8085?
- 4. Describe MVI M, data?
- 5. Explain the instruction RLC?
- 6. Explain LXI rp, data 16

PART - B

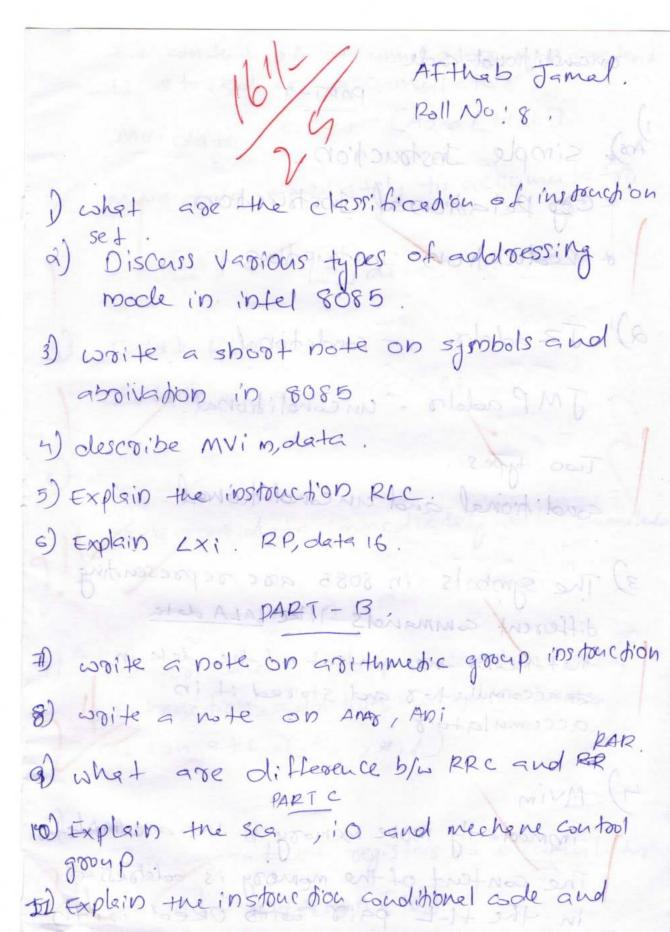
(Answer all questions, each question carries 3 marks)

- 7. Write a note on arithmetic Group instruction of Intel 8085.
- 8. Write a short note on ANA r, ANA M, ANI data
- 9. What are the difference between RRC and RAR

PART - C

(Answer any 1 questions, each question carries 5 marks)

- 10. Explain stack, I/O and machine Control Group
- 11. Explain the instructions conditional CALL and unconditional CALL



emanditional code.

PART-A Ans) simple Instauction. * Co pelational Instruction. * Reduction Instauction (a) Jz adels - conditional JMP addr - un conditional.

Two types.

Conditional and cun conditional. 3) The symbols in 8085 are representing different commands like ALA data that means the content of the deta in accumulator and stored it in 4) Mvim immediatly move memory to the accumulator The content of the momory is adetressed ored with in the H-L pair with

the content of accumulator and content is stored in accumulator. Mvidate [A] (- (A) TO [H-L] move date immediately to accume 12, too. [A] [A] data. 5) Rotad RLC. Rotate accommentator Left. 2) Lxi

Move in determediately to accomulate PART-B IN 7) The anthometic good instauctions are Isubstraction, addition, multiplication, devition etc. (+,-,*,1) 8) AMO.

Nove content of register to accumulator

(2) [A] 2- [A] n[D]

Anima actalianson to tothe at move immediately to according to a CAJZ- CAJACH-LD HASTAS LAT Re ad from the register to crocuit [R] <- [] LAR. lead from accumulator to registers [R] <- [A] PADT-C TO A COMME SE SNOW SALL ASSESS INVIORE 4,000 E ST ו שבו ליום ליום ביום וליום ואינול וביום וועות אום וכביום וועות אום וועות אוו 1, to the notion COINSTAL STATE

Nithin TH MOOD A D' gosci goodsberg des * Anconomadic sea * losical set * Boanen Control Set * I/o conduel Bounch Contral set Washing Controll and Jemp Sed de béognes oggoesevad mogé in diaccong addressery mode desermine addresser mode definis orderesing mode paroduce oddocatog mode In directory addreas mode definit atreessing made nesisted addresing mode D Goodnewodic goods missions Garanamasia Sanup consoin insoa aldios of as Inchement decreem enz etc. . Asadhamusic Snoup

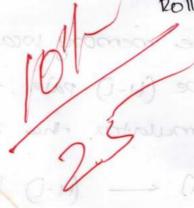
4.1	issauction, and Appa, Appa,
	ADER ADALAMANA AMANANA CA desa
	ADC12, ADUI, ADA, ADA dasa, ACA de
9)	1212C 120dade acquisters on the comon to plead from the committees the ane
	plead tours me registers adance
	Oforcate. [B] [C] due accomultour
	nan manage
	12ea d form one Acomulator. one
2	mesiexea.
	$\boxed{[2]} \leftarrow \boxed{A}$
8)	ANAR
	ANIAN soito accumulcão
211	[A] ~ [A] ~ [A]
and a	ANIAM
50°07	due condool of the nemony come
	on 12 addion by [H-] poin and in
	oundes avian accumulation and

grore from Ine accumulation	on .
5) 121C nodede acommala sono less	
ANT description desa wish	
AND conceidable desar. on	

Fatisima saling

ROIL NO: 35.

1. Asithmetic group
logical gooup
lo and control gooup
bearabed group
Addressing gooup.



5) RLC

Return to the subsoutine to the sexult has carry, it carry sexus cs = 1.

6) ANACRUACEDO DE CONTROLA

The content of degisted is toansferred to the accumulator, to the dei, it the result is non reso.

ANM

The content of the register, is toansferred to a special address of the actumulator in the actumulator in the actumulator in the actual have rotinus, sign pasity p.o.,

security is placed in the actimization the ect

15 3 4 8 2 1 0 D

ANM

The memory wathon of a specified address of the (H-i) pair, to the content of the accumulator. The result 15.

No and control gad

· James Europeppa

group bedomed

MA

[M] (-H) -> (A)

9. RRC

Return to the subsolutione, 14 the result is has carry the carry status is = 1

Instancion is a command that is given to the compater to personn an operation on given data it is asitimmetic group instancions. It is a content of the register that bulled addition substraction, multiplication, division etc.

6. RP+Register paix data la bit data.

s. RLC - The content of the accumulator obtated left by the content of accumulator. The sesut is placed in the accumulator itself.

D 1 2 3 4 5 6 7