2007075	Sub. Code: SSCA4A
Code No: SS30702E	MENTARY EXAMINATION, APRIL2020
B.C.A. (CBCS) DEGREE SPECIAL SUPPLEMENTARY EXAMINATION, APRIL2020  FOURTH SEMESTER	
COMPUTER APPLICATION  AMERICAN AND APPLICATION	
SKILL BASED SUBJECT - MICROPROCESSOR	
(For those who joined in July 2017 onwards)  Maximum: 75 marks	
Time: Three hours	
Part – A (10 X 1 = 10 marks)	
Answer all questions, choose the correct answer	
a) Microprocessor  2. Which of these is the Components of a) System Bus  3. The signal sent to the device from the (a) Interrupt—acknowledge (b) Return  4. The time between the receiver of an ir (a) Interrupt delay (b) Interrupt late  5. The ensures that only on by two ICs writing different data to the (a) Control bus (b) Control instruct  6. CMA the accumulator of (a) Counts (b) Complements (c)  7. RET instruction transfers the control of (a) main routine to sub routine (b) (d) subroutine to IP  8. Stack Pointer is initialized with the (a) PUSH (b) LXI (c) RET (d) None of the above	processor to the device after receiving an assignal (c) Service sigma (d) Permission signal atterrupt and its service is
Part-F	$3 (5 \times 5 = 25 \text{ Marks})$
The second and Inci	ruction Fetch.
11. a) Write a note on Memory and Inst	Tueston 1 com
b) Explain about the compiler and 12. a) Explain Peripheral or externally Or	initiated operations.
b) Write note on ALE, CS, RD and 13. a) Explain the execution of Sort Pr	WR, CS, WR, RD?
b) What is the interrupt? How the	interrupts are classified?
14. a) Write about Conditional Call and Or	d return instructions.
b)Write about ROM and memory mapped I/O.	
15. a) write a note on Subroutine docu Or	mentation and parameter parsing.
b) Explain BCD addition and mul	ti byte subtraction.

Reg. No.....

## **Continuation Sheet**

PART - C (5 x 8 = 40 Marks)

16. a) Explain the various memory classification in detail.

Or

- b) Explain the instruction format of 8085.
- 17. a) 17. a) Describe the various logic operations of 8085.

- b) Discuss about the internal data operation and the 8085/8088A register.
- 18. a) Explain the following with example.
  - (a) BCD to Binary
  - (b) Binary to BCD

Or

- b)Explain an 8085 assembly language program to find smallest number from an array of numbers
- 19. a) Discuss in detail about 8085 multiple interrupt.

b)Explain about the call & return instruction in detail.

20. a) With an assembly language program and explain the BCD to seven segment LED code conversion.

b) Explain about the 8085 assembly language program to multiply two BCD numbers.