FirstRanker.com
Firstranker's choice
www.FirstRanker.com www.FirstRanker.com

Roll No. | | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 16

BCA (2014 to 2018) (Sem.–4)

MICROPROCESSORS & MICROCONTROLLERS

Subject Code : BSBC-402

M.Code : 10067

Time : 3 Hrs. Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.**

SECTION-A

Answer briefly :

1. Give two applications of microprocessors.
2. What is instruction cycle?
3. Explain branch instruction.
4. What is Accumulator?
5. What is arithmetic co-processor?
6. What are priority interrupts? Which interrupt has the highest priority?
7. What is the difference between synchronous and asynchronous communication?
8. What is the need of clock generator?
9. What is the purpose of a Programmable Interrupt Controller?
10. What is the purpose of Intel 8284?

www.FirstRanker.com

www.FirstRanker.com

FirstRanker.com
Firstranker's choice
www.FirstRanker.com www.FirstRanker.com

SECTION-B

11. Explain 8085 with pin diagram.

12. Discuss different addressing modes of 8085 with examples.

13. Explain the data transfer and logical instructions of 8085.

14. What is RISC processor? How is it different from CISC processor?

15. What is DMA? Draw its circuit diagram. Explain various operations of Intel 8257 DMA controller.

16. Explain the architecture of programmable interrupt controller 8259.

www.FirstRanker.com

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.

www.FirstRanker.com