



V.P. & R.P.T.P. SCIENCE COLLEGE  
T.Y.B.Sc. (SEMESTER – VI)  
INTERNAL TEST: MAR-2018

US06CCSC04: Introduction to Microprocessors and Assembly Language  
DATE: 15/03/2018 TIME: 11:00am to 12:30pm MARKS: 25

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Q.1 Multiple Choice Question [03]

1. The \_\_\_\_\_ directive is used to identify the start of a procedure.  
a) PTR      b) PROC      c) EXTRN      d) OFFSET
2. The following instruction replaces number in AL with its 2's complement.  
a) NEG BX      b) NEG AL      c) NEG DX      d) None of these
3. \_\_\_\_\_ compares a byte in AL or a word in AX with a byte or word pointed to by DI in ES.  
a) SCASBM      b) SCAS      c) Logical      d) None of these

Q.2 Answer the following in short (Any two) [04]

1. What is Instruction Pointer?
2. Explain INC instruction with example.
3. What do you know about JS instruction?

Q.3 Write short note on the 8086 Microprocessor Family overview. [06]

OR

Q.3 Explain in short the overview of 8086 register set. [06]

Q.4 Explain the following Arithmetic Instructions with examples.

- (a) ADD/ADC (b) SUB

[06]

OR

Q.4 Explain the following Data Transfer Instructions with examples.

- (a) MOV (b) XCHG

[06]

Q.5 Explain the following conditional and unconditional instructions with example.

- (a) JA/JNBE (b) JAE/JNB/JNC

[06]

OR

Q.5 Explain the following conditional and unconditional instructions with example.

- (a) JB/JC/JNAE (b) JCXZ

[06]