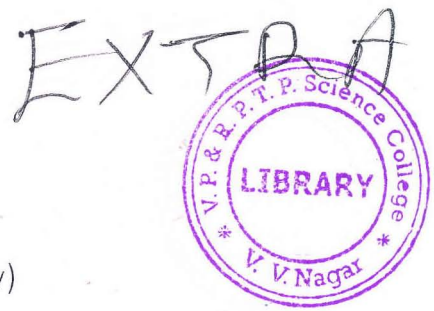


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Extra
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V.P. & R.P.T.P SCIENCE COLLEGE
INTERANAL EXAM
T.Y.B.Sc (SEM.-V) INSTRUMENTATION (v)
SUB. CODE:-US05CINV05

DATE:-05/10/2016 TIME:-11:00 am To 12:30pm MARKS-25

- Q-1 Choose correct answer [3]
- 8085 microprocessor has _____.
(A) 18 pin (C) 40pin
(B) 30 pin (D) 20pin
 - Following are control signals of 8085 up.
(A) S_0 and S_1 (C) SOD, SID
(B) \overline{WR} and \overline{RD} (D) none of above
 - _____ is machine control instruction.
(A) RET (C) JNC
(B) NOP (D) none of above
- Q-2 Short answer type question.(attempt any two) [4]
- List pins of interrupt control section of 8085 microprocessor.
 - Define program and software.
 - State different addressing mode of 8085 up.
- Q-3 Draw architectural block diagram of 8085 microprocessor and briefly discuss each section of it. [6]
- OR
- Q-3 Discuss the concept of generating control signals in 8085 up. [6]
- Q-4 Describe classifications of instructions according to word size with illustration. [6]
- OR
- Q-4 A. Write a programme to load two different numbers in two registers. now subtract one number from another such that carry flag will set and display the answer at port 1. [3]
B. State characteristics of logical instructions. [3]
- Q-5 Discuss different arithmetic and logic instructions with suitable illustration. [6]
- OR
- Q-5 Write a program to load 8B H and 6F H in register C and D respectively. Now increment content of C than add both the number and display the sum at output port-1. [6]