

OPEN BOOK EXAMINATION

Duration : 1 hour

2. You are allowed to use calculator & bring at most 2 units of bound reference.

- b) Use stack map to show the effect of each of the following instructions on the stack pointer and on the content of the stack. [2]

MULTO ENDP

- b) Assume that **STRING1="XyZPqR"** in data segment and **STRING2="xYzPQr"** in extra segment. How many times the **CMPSB** instruction is executed in the following segment? Justify your answer. [2]

REPNE CMPSB

- b) What is purpose the NMI interrupt in 8086 microprocessor? [1]