

Instructions to students:

Students must write the answers in their own handwriting on a white sheet of paper. The details to be mandatorily written on the answer sheet are: **Name, Semester, Section, Roll Number, Registration Number, Course name, Signature with date.**

On completion of answering the assignment, students need to scan/image (using device of your choice) all the answer sheet/s in sequence and **save it with file name of their registration number in PDF/Image format.**

Upload the above pdf/image file containing the answers to MS Teams Assignment platform within the given schedule.

CLICK ON "ADD WORK" OPTION, ATTACH THE PDF/IMAGE AND THEN CLICK ON "TURN IN".

Student to contact faculty member concerned through mail/phone in case of any difficulty faced by them during the assessment process.

Assignment Question:

Apply Viterbi algorithm to assign the best probable tag sequence for the given sentence. Use the transition probability and observation likelihood from the table.

teacher evaluates the answers

	VB	DT	NN	VBZ
<S>	0.01	0.13	0.33	0.18
VB	0	0.008	0.11	0
DT	0.21	0	0.4	0.12
NN	0.09	0	0.12	0.13
VBZ	0.0023	0.009	0.09	0.08

	the	evaluates	teacher	answers
VB	0	0.02	0	0.08
DT	0.12	0	0	0
NN	0	0.003	0.13	0.091
VBZ	0	0.12	0.08	0.002