VII SEMESTER B. TECH (COMPUTER SCIENCE AND ENGINEERING)
MAKE-UP EXAMINATIONS, FEBRUARY 2022 (POE)
SUBJECT: PE-VII DEEP LEARNING (CSE 4064)
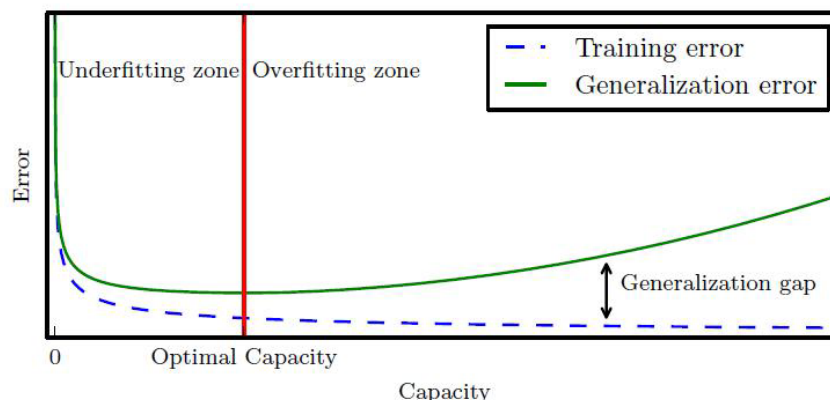## REVISED CREDIT SYSTEM

Date: 22-02-2022   Time: 2:20 PM to 3:35 PM   MAX. MARKS: 20

Note: Answer ALL the questions. Assume any missing data
PART-B

1A	You are given the task of machine translation where a source language needs to be translated to a destination language. The languages are highly similar, and a mapping of word-to-word can be assumed but with different order. Suggest a Recurrent Neural Network (RNN) architecture suitable for this task. Give a detailed unfolded version of the RNN with justification.	5
1B.	Differentiate between model parameters and hyper-parameters. Give examples	3
1C.	Compare ensemble methods and dropout.	2
2A.	What is parameter sharing? Illustrate parameter sharing in Convolutional Neural Network.	4
2B.	Interpret the following graph. How is it related to bias and variance?	4

2C.	Which regularization method leads to weight sparsity? Justify your answer	2