Code No: 138DU

R16

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, December - 2020
NEURAL NETWORKS AND DEEP LEARNING
(Common to CSE, IT)

Time: 2 hours **Max. Marks: 75**

Answer any Five Questions
All Questions Carry Equal Marks

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1.	Discuss a few tasks that can be performed by a back propagation network.	[15]
2.	Explain the algorithm of BAM with its Architecture.	[15]
3.	Explain the two phases of training in full CPN with diagram.	[15]
4.	Explain the algorithm needed to propagate information in a network while implementing SOM stimulator.	[15]
5.	Illustrate in detail about the historical trends in deep learning.	[15]
6.	Describe an example to explain the concept of back propagation in deep learning.	[15]
7.	Illustrate the concept of semi supervised learning in detail.	[15]
8.	Explain the steps involved in AdaGrad algorithm for convex optimization.	[15]

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