



# BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – MCA-2022

Course Name – Deep Learning

Course Code - MCA402B

( Semester IV )

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

## Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :
- (i) State the cause of the necessity of biological neural networks in artificial Intelligence.
- a) to solve tasks like machine vision & natural language processing      b) to apply heuristic search methods to find solutions of problem
- c) to make smart human interactive & user friendly system      d) all of the mentioned
- (ii) Define the unsupervised learning.
- a) features of group explicitly stated      b) number of groups may be known
- c) contains unlabelled data      d) none of the mentioned
- (iii) State the limitations of deep learning.
- a) Data labeling      b) Obtain huge training datasets
- c) Both A and B      d) None of the mentioned
- (iv) Determine that in CNN, having max pooling always decrease the parameters.
- a) True      b) False
- c) Can be true and false      d) Can not say
- (v) Select the option from the following that would have a constant input in each epoch of training a Deep Learning model.
- a) Weight between input and hidden layer      b) Weight between hidden and output layer
- c) Biases of all hidden layer neurons      d) Activation function of output layer
- (vi) Identify the neural network has only one hidden layer between the input and output.
- a) Shallow neural network      b) Deep neural network
- c) Feed-forward neural networks      d) Recurrent neural networks
- (vii) Identify the option of the following statements is true when you use 1x1 convolutions in a CNN.
- a) It can help in dimensionality reduction      b) It can be used for feature pooling
- c) It suffers less overfitting due to small kernel size      d) All of the mentioned



Write about the three steps to develop the necessary assumption structure in Deep learning?

(5)

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