**Question Bank From 4th and 5th UNIT**

UNIT 4

 RNN with an example

What is the use of GRU? Compare with LSTM.

Explain in detail VGG16 architecture for image classification.

LSTM architecture and build an LSTM network for named entity recognition.

Transfer Learning, need of transfer learning, advantages and disadvantages of transfer learning

exploding gradients and Vanishing Gradients and Illustrate how LSTM helps to solve the  Gradients Problems.

DenseNet  architecture.  What problems are solved by DenseNet ?

UNIT 5

Machine Translation

Generative adversial network (GAN).

Restricted Boltzmann Machines (RBM).

Attention mechanism for prediction purposes

RBM training with Block Gibbs sampling

hierarchical attention in deep learning

the encoder and decoder Models and list out the applications of Encoder and decoder Models.

language modeling with its types and  real time examples.

Explain Generative adversarial network (GAN) with a neat diagram and list out the types of GAN.