Number of printed page 01

Semester VI (B.Tech.)

Er. No. 20IB308

Academic Year: 2022-23

Jaypee University of Engineering & Technology, Guna

T-3 (Even Semester 2023)

18B11CI933 – DEEP LEARNING

Maximum Duration: 2 Hours

Maximum Marks: 35

Notes:

1. This question paper has 5 questions.
2. Write relevant answers only.
3. Do not write anything on question paper (Except your Er. No.).

		Marks	CO No.
Q1.	Explain with the help of Python code:		CO3
	(a) Ragged Tensors	[04]	
	(b) String Tensors	[03]	
Q2.	Write a Python code to customize loss function to cater specific requirements. Use this loss function in your keras model, and also train the model.	[07]	CO5
Q3.	Write a Python code to convert your selfie into a sketch with white background. Write code for all the steps starting from taking the selfie to output a sketch.	[07]	CO4
Q4.	What causes the population of non-trainable parameters in the deep learning model? Show it with the help of a suitable example.	[07]	CO5
Q5.	Convert the model shown in figure below into python code using Keras. Show the output of model summary of your code.	[07]	CO4

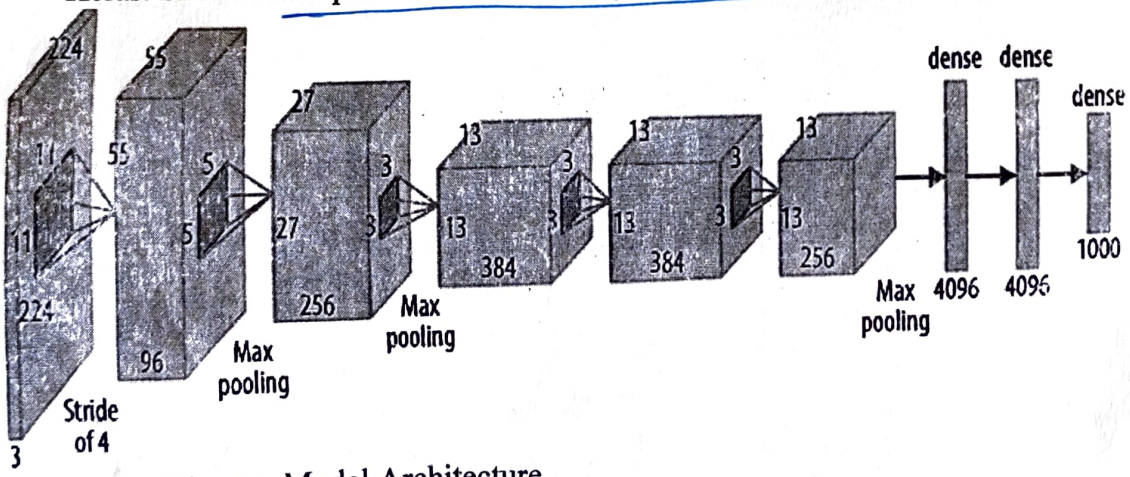

Figure : Model Architecture