Quiz 9 Name: Student ID:

Q1. (2pts) Briefly explain the class imbalance problem and how FocalLoss can deal with this problem

Q2. (2pts) Newer object detection frameworks (e.g., YOLOv2) use anchor boxes as prior knowledge to help generate better bounding boxes. Please explain what anchor boxes are and how YOLOv2 generates them

Q3. (2pts) Briefly explain how atrous convolutions and atrous spatial pyramid pooling works and why they are useful in semantic segmentation

Q4. (4pts) Briefly describes two project proposals presented in class (that are not yours)