In

ntroduction and Concepts of Computer Vision BET SUBMISSION GRADE 300%	
In a Multi-Class classification scenario, your model can identify all the different items and people that are present in a given input image. True	1/1 point
Correct Correct The above statement is true for a Multi-Label classification.	
Which of the following statements correctly describes the difference between object detection and object localization? Object detection refers to detecting the object within an image, while object localization gives us the bounding box around that object. Object detection is where you get a bounding box around the main subject of the image, while in object localization you get a bounding box around all of the object within an image. Object localization is where you get a bounding box around the main subject of the image, while in object detection you get a bounding box around all of the objects within an image. They both are the same.	1/1 point
✓ Correct Correct	
What is the method that locates an object(s) by labeling the pixels, where each similar object(s) is assigned to the same class? Spey your response here (two words, all lower case). semantic segmentation V Correct	1/1 point
Correct	
In the context of Transfer Learning, the initial training task where the model learns reusable patterns is called a downware. Task True False	1/1 point
✓ Correct Correct The above statement is true for a pre-training task. The task for which the model is borrowed is called downstream task.	
Check all the scenarios in which Transfer Learning could be beneficial. When you don't have enough data for the task you want to perform, which resembles another same or similar, already trained task.	1/1 point
✓ Correct Correct! ✓ When the task you want to perform is a sub-task of an already trained, larger, model.	
✓ Correct Correct	
☑ To reduce computation and processing cost	
✓ Correct Correct!	
☐ To ensure better performance	
What is the name of the built in TersorFlow layer-type which you can use to increase the dimensions of a 2D image? SampleIncrease UpSampling SampleLp2D UpSampling2D	1/1 point
✓ Correct Correct	
You have an image of dimensions 48 x 48, and you want to upscale it to 240 x 240 using the built-in TemorFlow layer-typ which is used to perform such a task (mentioned in Question 6). What will you pass in as size=_7 (5.5)	ê 1/1 point
✓ Correct Correct!	
<pre>consider the following code: my_layer = tf.keras.applications.resnet.ResNet50(input_shape=(224, 224, 3), include_top=False,</pre>	1/1 point
<pre>weights='imagenet')(inputs) What does 'include_top=False' mean?</pre>	ı
t discards the first layer of ResNet50 when initializing my_layer using it. it discards the top most layers of ResNet50 when initializing my_layer using ResNet50.	
It randomly sets up the weights, instead of using that of ImageNet, for the top most dense layers of ResNet50 when initializing my_layer using it. It sets the top most layers as untrainable of ResNet50 when initializing my_layer using it.	
✓ Correct Correct!	
What is the name of the technique used in the output dense layer that is used to predict Bounding Boxes ? (Hint: It is a one word arrawer)	1/1 point
regression	
✓ Correct Correct!	
Check all the statements that are true regarding intersection Over Union (IoU), with regards to Bounding Boxes.	1/1 point
The values of IoU range from 0 to all possible positive values. The closer the value of IoU is to 0 the better is the prediction of the bounding box.	
IoU is the area of intersection of the two boxes (true and predicted) divided by the total union area of the two boxes.	
✓ Correct Correct!	