State Completed on Time taken Marks	Saturday, 9 October 2021, 10:05 AM Finished Saturday, 9 October 2021, 11:01 AM 56 mins 26 secs 39.00/40.00 9.75 out of 10.00 (97.5%)
Question 1	
Correct Mark 1.00 out of 1.00	
Mark 1.00 out of 1.00	
	rment is true, then select "True" otherwise "False". On system should have high detection rate and false positive rate.
Select one:	
O True	
● False ✔	
The correct answer	is 'False'.
Question 2 Correct	
Mark 2.00 out of 2.00	
If the GAN continue	straining even though the loss isn't continuing to decrease then the model would never give good results in the future
and we need to cha	nge the hyper-params and restart with better learning rate.
Select one:	
O True	
■ False	
The correct answer	is 'False'.

Question 3
Correct
Mark 2.00 out of 2.00
If the following statement is true, then select "True" otherwise "False".
In Yolo model, confidence score reflects the presence or absence of an object of any class.
· · · · · · · · · · · · · · · · · · ·
Select one:
⊚ True ✓
○ False
The correct answer is 'True'.
Question 4
Correct
Mark 1.00 out of 1.00
If the following statement is true, then select "True" otherwise "False".
In Viola Jones algorithm face detection algorithm, training is slow but recognition is very fast.
Select one:
True ✓
○ False
The correct answer is 'True'.
Question 5
Correct Mark 1.00 out of 1.00
Mark 1.00 Out of 1.00
In Hough Transform, we shift from Cartesian coordinates to polar coordinates because
a. You can actually use both, polar are just smoother and more difrentiable
Slope is not bounded
c. Correct Answer is not present
Your answer is correct.
The correct answer is:
Slope is not bounded
Stope is not bounded

Correct
Correct
Mark 1.00 out of 1.00
If the following statement is true, then select "True" otherwise "False".
GAN training is based on game theory and its procedures try to converge an approximate Nash equilibrium, but doing so sometimes it
requires unreasonably large resource constraints.
Select one:
True ✓
○ False
The correct answer is 'True'.
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Question 7
Incorrect
Mark 0.00 out of 1.00
If the following statement is true, then select "True" otherwise "False".
Instance Segmentation is a combination of object detection + semantic segmentation
Select one:
○ True
The correct answer is 'True'.
Question 8
Question 8 Correct
Correct
Correct
Correct
Correct Mark 1.00 out of 1.00 If the following statement is true, then select "True" otherwise "False".
Correct Mark 1.00 out of 1.00
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Question 9	
Correct	
Mark 1.00 out of 1.00	
In an image, we have 10 faces suppose 6 are correctly identified and 4 are false identified by your algorithm. What is detection re-	to?
In an image, we have 10 faces suppose 6 are correctly identified and 4 are false identified by your algorithm. What is detection rat	le?
○ a. 40	
○ b. 80	
⊚ c. 60 ✓	
Your answer is correct.	
The correct answer is:	
60	
Question 10	
Correct	
Mark 2.00 out of 2.00	
Convolutional neural network can work on raw images as well as extracted features	
Select one:	
Select one: True ✓ False 	
Select one: True ✓ False The correct answer is 'True'.	
Select one: True ✓ False The correct answer is 'True'. Question 11	
Select one:	cause
Select one: True False The correct answer is 'True'. Question 11 Correct Mark 2.00 out of 2.00 If the following statement is true, then select "True" otherwise "False". Intersection over Union (IoU) is used as a replacement of mean Average Precision (mAP) to evaluate Object detection models becomAP works only for classification.	cause
Select one: True False The correct answer is 'True'. Question 11 Correct Mark 2.00 out of 2.00 If the following statement is true, then select "True" otherwise "False". Intersection over Union (IoU) is used as a replacement of mean Average Precision (mAP) to evaluate Object detection models ber mAP works only for classification. Select one:	cause
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Mark 2.00 out of 2.00

Select which are a wrong description of the attentional cascade classifier in Viola Johns algorithm

b. Reduces the false positive rate

c. Chain classifier

od. Complex classifier (decision boudary)

Your answer is correct.

The correct answer is: None of the above

Question 13

Correct

Mark 4.00 out of 4.00

As a computer vision expert, you are going to apply YOLO technique to detect three classes (i.e., car, pedestrian and traffic signal) for humanoid robot. What will be the size of output vector (flattened representation of the output of YOLO at one scale (L,M,S))? If you are going to divide video frame into a grid of 7 by 7 and each cell can predict two bounding boxes.

a. 3

ob. 6

© c. 784

d. 49

Your answer is correct.

The correct answer is:

784

Question 14
Correct
Mark 1.00 out of 1.00
If the following statement is true, then select "True" otherwise "False".
In GAN, the design of the Generator (G) has strong restrictions and we cannot incorporate a recurrent neural network in it.
Select one:
○ True
● False ✓
⊕ 1 αi3€ ▼
The correct answer is 'False'.
Question 15
Correct
Mark 1.00 out of 1.00
If the following statement is true, then select "True" otherwise "False".
Transfer learning provides better results much faster than training from scratch.
Select one:
True ✓
○ False
The correct answer is 'True'.
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Question 16
Correct
Mark 3.00 out of 3.00
If the following statement is true, then select "True" otherwise "False".
Domain Adaptation allows you to get better results than Transfer Learning but it reqires a lot more data sources than transfer learning.
Select one:
○ True
False ✓
The correct answer is 'False'.

Question 17
Correct
Mark 1.00 out of 1.00
If the following statement is true, then select "True" otherwise "False".
Fully Convolutional Neural Networks for semantic segmentation don't use dense layers in general but must be used with dense layers in
order to make instance segmentation.
Select one:
○ True
False ✓
The correct answer is 'False'.
Question 18
Correct
Mark 1.00 out of 1.00
If the following statement is true, then select "True" otherwise "False".
In GAN, Discriminator is trying to maximize its reward, while Generator is trying to minimize Discriminator's reward.
Select one:
Select one:
● True
● True ✔○ False
● True
● True ✔○ False
● True ✔● FalseThe correct answer is 'True'.
True ✓FalseThe correct answer is 'True'.
 ● True ✔ ● False The correct answer is 'True'. Question 19 Correct
True ✓FalseThe correct answer is 'True'.
 ● True ✔ ● False The correct answer is 'True'. Question 19 Correct
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 True ✓ False The correct answer is 'True'. Question 19 Correct Mark 2.00 out of 2.00 If the following statement is true, then select "True" otherwise "False". GAN care about explicitly modelling the density function Select one: True
 True ✓ False The correct answer is 'True'. Question 19 Correct Mark 2.00 out of 2.00 If the following statement is true, then select "True" otherwise "False". GAN care about explicitly modelling the density function Select one:
 True ✓ False The correct answer is 'True'. Question 19 Correct Mark 2.00 out of 2.00 If the following statement is true, then select "True" otherwise "False". GAN care about explicitly modelling the density function Select one: True

Correct

Question 21

■ True False

Correct

Mark 1.00 out of 1.00

Consider you have two points P1, P2.

How will each one of them be mapped in the cartesian parameter space

- a. A point
- b. A line

 ✓
- oc. A matrix
- d. A Sinusoidal function

Your answer is correct.

The correct answer is:

A line

Question 22

Correct

Mark 1.00 out of 1.00

Given two points P1, P2, we map them to the cartesian parameter space.

We can find the line that passes through both of them by finding the intersection of their mapped representation in the parameter space.

Select one:

■ True

False

The correct answer is 'True'.

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Question 23	
Correct	
Mark 3.00 out of 3.00	
	have a line that passes through them, does that mean that for all two points we can find an
intersection in the cartesian space?	
Select one:	
○ True	
False ✓	
The correct answer is 'False'.	
Question 24	
Correct	
Mark 3.00 out of 3.00	
In mathematics we know that all two points h	have a line that pass through them, does that mean that for all two points we can find an
intersection in the polar space?	
Select one:	
True ✓	
False	
The correct answer is 'True'.	