DLP Week-12 PA

	1) WI	/hich ted	chnique is utilized by L <u>AKDN</u> et to enhance feature ex <u>tracti</u> on and aggregation	1?	1 point	
	_		ulti-Scale Convolutional Layers			
_	_			la a bha		
سل			current Neural Networks (RNNs)	Single		
			pthwise Separable Convolutions	happens similareously	-	
	2) S		e you want to add random noise to an image, where the noise values are unifo		1 point	
		(a)	_			
		import	t torch			
		def ad	ld_random_noise(image):			
	×	nois	se = torch.rand_like(image) * 20 # Uniform noise in [0, 20]			
		nois	sy_image = image + noise			
		retu	ırn noisy_image			
	3) V	What is	the role of the **discriminator** in a Super-Resolution GAN (SRGAN)?	SR GAN -	1 point	
	0	(a) To	o generate high-resolution images from low-resolution inputs.	G - general	ts	autilia.
	0	(b) To	o compare generated images with ground truth and assign a similar	rity score.	- g	solut.
			o distinguish between real high-resolution images and generated hig	$\mathcal{I}_{I}}}}}}}}}}$		Min
	0		o refine the generator's output by applying post-processing techniqu	es.	107.	1:
			answer is correct.	miage	ملک	btu. eval
		ore: 1	answer is contect.	J.	an.	aulificial
	Acc	cepted	Answers:		4	magic July
	(c) T	To disti	nguish between real high-resolution images and generated high-resolution im	nages.		
				_		
	4) V	What is	a common challenge faced by CNN-based techniques or capturing fine textu	ures in super-resolution tasks?	1 point	
u		(a) (bi	ifficulty in preserving high-frequency details like edges and textures,	, leading to overly smooth results.		
	0	(b) In	nability to generate accurate low-resolution representations for input	t images. Linages. Linages. Linages. Linages. Linages. Linages. Linages.		
	0	(c) O	verfitting to fine textures, resulting in loss of structural consistency.	hehere N		
	0	(d) Re	educed performance due to high dependency on pre-trained models	canal Canal	-	
				cernes ?	1	u.
						····
	5) H	How ma	any levels are there in the LAKDNet architecture? (Me mble	uy based	1 point	
	0	(a) 2		f ····		
		(b) 3				
سا		(c) 4				
	0	(d) 5	-			