Paper / Subject Code: 50641 / Advanced Artificial Intelligence
10:30 am - 01:30 pm 1701878 - B.E. Computer Science & Engineering (Artificial Intelligences & 14-May-2024 Machine Learning)(R-2019-20 C Scheme)(Sem-VIII) / 50011 - Advanced Artificial Intelligence QP CODE: 10054668

[Duration: 3 hrs]			SEST TO SESTIMATE OF THE SESTIMATE OF TH		100	[Max Mar	ks: 80]
Q1.	(2) A (3) A (4) A	duestion No. 1 is of attempt any three all questions carry assume suitable d EMPT ANY FOU	questions out of y equal marks. ata, if required ar	50		Strange Control of the Control of th	[20]
	Auto b. Expla	rentiate between Encoder. ain Sparse autoen	coders.		vork and Va	riational	
	c. What	are the benefits	of pre-trained mo	dels?			EST.
	d. Expla	ain Random Fore	st algorithm.		COTY OF		97
Q2.	a. Elaboro focus b. A part three D3, v symp order condition D S4 de	. Write the e product of What is th	ecture and challer e training instabil doctor for a med use of the condit hally independent S4 which the doc probable cause o not to the three dis D1 and D2. S3 i D3. Assume all ra	nges of train ity and modical condition. The three tor wants to f the conditions as as follows depends on this properties. It is a substituted in the condition of the condition	ting GANs, ple collapse. on, the doctored diseases at other. The control of the c	or suspects are D1, D2, re are four presence in approximately approximately and a suspension of the pends only 3, whereas olean, they bution as a	[10]
Q3.	a. Expla	ain transfer learni	ng. Describe diff	erent types	of transfer le	earning.	[10]
	b Expla	ain WGAN in det	ail.	(2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) / (2) /	7		[10]
Q4.	a. Expla	ain Variational A	uto Encoders in d	letail.	E P		[10]
250	b. Expla	ain AdaBoost in c	letail.		)		[10]
Q5.	a. Expla	ain Gaussian Mix	ture Models.	72			[10]
	b. Expla	ain Conditional G	AN in detail.	1500			[10]
Q6.	a. What	is metaverse? I verse.	Explain the chara	acteristics a	nd compone	ents of the	[10]
), (2)	b. Expla	nin Hidden Marko	ov Models.	******			[10]