Name: Enrolme	
nt No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester/Supplementary (ODD/EVEN) Examination, July 2020

Course: IT for Petroleum Refining&Petrochemicals Course Code: CSOG3005 Time: 2hrs Programme: B.Tech. CSE (OGI)

Instructions:

machine learning algorithm based on the idea of Decision Random Classifica Regressi MC Correct bagging? Tree Incorrect Forest tion Incorrect on Area Costunder the All of the Confusio sensitive The most widely used metrics and tools to assess a ROC above n matrix accuracy MC classification model are Incorrect Incorrect curve Incorrect TF ADU stands for Atomic Distillation Unit TRUE FALSE TF The more the sulfur the better the quality of Crude FALSE TRUE TF sulfur is calculated by API TRUE FALSE TF TRUE FALSE Crude is a viscous liquid TF There are two types of Distillation column TRUE FALSE TRUE TF In batch operation, the feed to the column is FALSE TF Butane is present in LPG FALSE TRUE TF TRUE CNG & LPG has same composition FALSE Barges are used for transportation of Crude TF TRUE FALSE TF FALSE TRUE Hydrotreating and Hydrocracking is the same thing TF scales formation is a good practice in distillation FALSE TRUE TF Heat exchenger is present in a refiner TRUE FALSE TF SCADA is used for controll of Refining process TRUE FALSE TF TRUE ANN is a process for cracking of crude FALSE TF Reinforced learning does clustering FALSE TRUE TF KNN is a clustering algorithm FALSE TRUE Digital Oilfield desnot contain SCADA FALSE TF TRUE to solve to apply heuristic tasks like to make machine search smart vision & methods human natural to find interactiv language solutions e & user all of the friendly mentione processin of MC Why do we need biological neural networks? Incorrect system Incorrect d Incorrect problem human human perceive perceive everythin everythin g as a g as a pattern pattern while while human machine machine have human perceive perceive more IQ have What's the main point of difference between human it merely it merely & sense MC & machine intelligence? as data intellect Incorrect organs as data Correct Incorrect neither feature & features number nor none of of group of groups number the explicitly may be of groups mentione stated is known MC What is unsupervised learning? Incorrect known Incorrect Correct d Does pattern classification belongs to category of TF non-supervised learning? FALSE TRUE

Max. Marks: 60

Semester: VI

	mochine looming also with a knowledge 1 and 1 and	D		D 1		Cl		Desman
MC	machine learning algorithm based on the idea of	Decision Tree	Incomest	Random Forest	Compet	Classifica	Incomact	Regressi
IVIC	bagging? Does pattern classification & grouping involve same	Tree	Incorrect	rorest	Correct	1011	Incorrect	
TF	kind of learning?	FALSE	TRUE					
11		TALSL	IKUL					none of
		text		voice		image		the
		recogniti		recogniti		recogniti		mentione
MC	Example of a unsupervised feature map?	on	Incorrect		Correct	-	Incorrect	
		robustnes	meoneet	011	0011000	collective		all of the
	What are the issues on which biological networks	s & fault				computat		mentione
MC	proves to be superior than AI networks?	tolerance	Incorrect	flexibility	Incorrect	-	Incorrect	
		loteranee		nemenney				none of
		weighted				main		the
		sum of		threshold		input to		mentione
MC	What is an activation value?	inputs	Correct		Incorrect	~	Incorrect	
		in				both		either
		feedforw		in		feedforw		feedforw
	Connections across the layers in standard topologies	ard		feedback		ard &		ard &
MC	& among the units within a layer can be organised?	manner	Incorrect		Incorrect		Incorrect	
		learning						all of the
	On what parameters can change in weight vector	paramete		input		learning		mentione
MC	depend?	rs	Incorrect		Incorrect	U	Incorrect	
		-0	medicet	stimulate	monitet	515mm	montet	none of
		short		d		short		the
		topology		u topology		term		mentione
MC	What is STM in neural network?	memory	Incorrect		Incorrect		Correct	
wic.		Assumes	meoneet	Assumes	medirect	memory	contet	u
		that all		that all				
		the		the				
		features		features				None of
	Which of the following is true about Naive Bayes ?	in a		in a		Both A		the above
	which of the following is true about Naive Bayes ?	dataset		dataset		and B		options
				are				options
		are						
MC		equally	Incorrect	independ	Incorrect		Correct	
wic		important	meonect	ent	Incorrect		Contect	
				It is used				It is used
		It is used		to parse				to check
				sentences		It is used		· c
		to parse sentences		to derive		to parse		sentences
	What is a sentence parser typically used for?	to check		their		sentences		can be
		if they		most		to assign		parsed
		are utf-8		likely		POS tags		into
		complian		syntax		to all		meaningf
		t.		tree		tokens.		ul
		ι.		structures				tokens.
MC			Incorrect		Correct		Incorrect	UKU115.
			mediteet	Data	concet		medicet	
				managem				
		Data		ent,				
	Which of the following statements is true about the	capture		including		4. Data		All of the
	capabilities of GIS	and		storage		presentati		above
	capabilities of OIS	preparati		and		on		above
		on		and maintena				
МС			Incorrect		Incorrect		Incorrect	
WIC		Complay	meorrect	nce Positiona	meorrect	Graphic	meorrect	Decimal
MC	By 'spatial data' we mean data that has	Complex	Incorrect		Correct	-	Incorrect	
.viC		values	Incorrect	1 values	Correct		Incorrect	values
		Positiona		Tomporal		Lineage		All of the
	Key components of 'spatial data' quality include	1		Temporal		and		All of the above
		accuracy		accuracy		complete	Incorrect	auove
MC		accuracy	Incorrect		Incorrect			

		D · ·		D 1		C1 : C		ъ ·	
	machine learning algorithm based on the idea of	Decision	. .	Random		Classifica	T .	Regressi	
MC	bagging?	Tree	Incorrect		Correct	tion	Incorrect	on	
		Appropri		Appropri		Compete		All of the	
	Successful spatial analysis needs	ate		ate		nt user		above	
MC		software	Incorrect	hardware	Incorrect	III USCI	Incorrect	above	
						Duthogoni		None of	
	Which of the following is related to GIS	Euclidea		Ramanuj		Pythagori			
MC		n space	Correct	an space	Incorrect	an space	Incorrect	the above	
				Spatial				Thematic	
		Spatial		auto-		Thematic		auto-	
	Interpolation is made possible by a principle called	Autocorr		correctio		Autocorr		correctio	
MC		elation	Correct		Incorrect	elation	Incorrect		
MC		Triangula	Conect	11	meonect		meoneet	n Temperat	
		-		Traffic		т I		_	
	TIN stands for	ted		Internet		Temporal		ure	
		Irregular		Network		Interest		Interface	
MC		Network	Correct	i tetti orm	Incorrect	Network	Incorrect		
								none of	
								the	
				synchroni				mentione	
MC	The process of adjusting the weight is known as?	activation	Incorrect	sation	Incorrect	learning	Correct	d	
		human		human		<u> </u>			
		perceive		perceive					
		everythin		everythin					
		g as a		g as a					
		-		-					
		pattern		pattern		1			
		while		while		human			
		machine		machine		have		human	
		perceive		perceive		more IQ		have	
	What's the main point of difference between human	it merely		it merely		&		sense	
MC	& machine intelligence?	as data	Correct	as data	Incorrect	intellect	Incorrect	organs	Incorrect
						neither			
						feature &			
		features		number		nor		none of	
		of group		of groups		number		the	
		explicitly		may be		of groups		mentione	
MC	What is unsupervised learning?	stated	Incorrect	-	Incorrect	is known	Correct		Incorrect
MC	Does pattern classification belongs to category of	stated	meoneet	KIIOWII	medirect	15 KIOWII	contect	u	mediteet
TE		EALCE	TDUE						
TF	non-supervised learning? Does pattern classification & grouping involve same	FALSE	TRUE						
T E		E LE CE							
TF	kind of learning?	FALSE	TRUE						
								none of	
		text		voice		image		the	
		recogniti		recogniti		recogniti		mentione	
MC	Example of a unsupervised feature map?	on	Incorrect	on	Correct		Incorrect		Incorrect
		robustnes				collective		all of the	
	What are the issues on which biological networks	s & fault				computat		mentione	
MC	proves to be superior than AI networks?	tolerance	Incorrect	flexibility	Incorrect	ion	Incorrect	d	Correct
		1						none of	
		weighted				main		the	
		sum of		threshold		input to		mentione	
MC	What is an activation value?	inputs	Correct		Incorrect	-	Incorrect		Incorrect
me		in	contect	, uiuc	mediteet	both	medited	either	medicet
				in					
		feedforw		in foodlooolo		feedforw		feedforw	
	Connections across the layers in standard topologies	ard	-	feedback		ard &		ard &	C
MC	& among the units within a layer can be organised?	manner	Incorrect	manner	Incorrect	feedback	Incorrect	feedback	Correct
		learning				Ι.		all of the	
	On what parameters can change in weight vector	paramete		input		learning		mentione	
MC	depend?	rs	Incorrect	vector	Incorrect	signal	Incorrect	d	Correct
				stimulate				none of	
		short		d		short		the	
		topology		topology		term		mentione	
MC	What is STM in neural network?	memory	Incorrect		Incorrect		Correct		Incorrect
~									

	machine learning algorithm based on the idea of	Decision		Random		Classifica		Regressi	
MC	bagging?	Tree	Incorrect	Forest	Correct	tion	Incorrect	on	
МС	Which of the following is true about Naive Bayes ?	Assumes that all the features in a dataset are equally important	Incorrect	Assumes that all the features in a dataset are independ ent	Incorrect	Both A and B	Correct	None of the above options	Incorrect
МС	What is a sentence parser typically used for?	It is used to parse sentences to check if they are utf-8 complian t.	Incorrect	It is used to parse sentences to derive their most likely syntax tree structures	Correct	It is used to parse sentences to assign POS tags to all tokens.	Incorrect	It is used to check if sentences can be parsed into meaningf ul tokens.	Incorrect
MC	Which of the following statements is true about the capabilities of GIS	Data capture and preparati on		Data managem ent, including storage and maintena		4. Data presentati on		All of the above	Correct
MC	By 'spatial data' we mean data that has	Complex values	Incorrect Incorrect	Positiona	Incorrect	Graphic	Incorrect Incorrect	Decimal	Incorrect
MC	Key components of 'spatial data' quality include	Positiona l accuracy	Incorrect	Temporal accuracy	Incorrect	Lineage and complete	Incorrect	All of the above	Correct
MC	Successful spatial analysis needs	Appropri ate software	Incorrect	Appropri ate hardware	Incorrect	Compete nt user	Incorrect	All of the above	Correct
MC	Which of the following is related to GIS	Euclidea n space	Correct	Ramanuj an space	Incorrect	Pythagori an space	Incorrect	None of the above	Incorrect
МС	Interpolation is made possible by a principle called	Spatial Autocorr elation	Correct	Spatial auto- correctio n	Incorrect	Thematic Autocorr elation	Incorrect	Thematic auto- correctio n	Incorrect
МС	TIN stands for	Triangula ted Irregular Network	Correct	Traffic Internet Network	Incorrect	Temporal Interest Network	Incorrect		Incorrect
МС	The process of adjusting the weight is known as?	activation	Incorrect	synchroni sation	Incorrect	learning	Correct	none of the mentione d	Incorrect