## 1059

## B.E. (Computer Science and Engineering) Eighth Semester Elective - IV

## CS-802C: Machine Learning and Computational Intelligence

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. I (Section-A) which is compulsory and selecting two questions each from Section B-C. Time allowed: 3 Hours

1				Section-	Α		10	
1	a) Diffe	erentiate betv	veen learning vs	designing.  t in machine learn	ning?	d byperplane.		
1	c) Exp	lain following	w.r.t Support	and over cla	ssical approach t	to probability.		
		cupervi	sed, unsupervise	d dila	A CONTRACTOR OF THE PARTY OF TH			6
			18 mile #	the major	objectives of m	nachine learning	? Discuss some	U
2	a) D exan	efine machin	e learning. Wha nine learning.	t are the major	ss briefly various	nachine learning	models.	4
	b) W	/hat do you u	nderstand by ter	m learning. Disco	sification.			4
Q:		:ssarantiate b	etween binary ar	IG III		example. able, how many co		3
	c) [	Define linear r	egression. If your stimate in a simple	ole linear regression	on model?	witable example.		6
(	24 a)8	explain the tra	Bining process of		descifica	ation methods the	at sail ( i.	
State of the State	(d	Define Supp	ort vector mach ) can handle?	mile. Whose	etion-C	ation methods the		
	b) Ve	Define Supp ector Machine	ort vector maci can handle?	Sec	1 - 1 - 1 - 10 - 10 - 10 - 10 - 10 - 10			
	b) Ve	Define Supp ector Machine	can handle?	Sec	1 - 1 - 1 - 10 - 10 - 10 - 10 - 10 - 10	Location	Class	
	(b) Ve	Define Supp ector Machine	can handle? sion tree for follo	Secondary dataset.  Height	tion-C		Class Yes	
	Q5 Q5 .	Define Suppector Machine	ort vector maci ) can handle?  sion tree for follo  Hair  Blonde	Secondary dataset.  Height Average	Weight Light	Location	Class Yes No	
	Q5 Q5 .	Define Supplector Machine Construct deci	sion tree for follo  Hair  Blonde  Blonde	Seconing dataset.  Height Average Tall	Weight Light Average	Location No	Class Yes	
	Q5 Q5 .	Define Supplector Machine Construct deci Name Sunita	ort vector maci ) can handle?  sion tree for follo  Hair  Blonde	Secondary dataset.  Height Average Tall Short	Weight Light Average Average	Location No Yes	Class Yes No No Yes	
	Q5 Q5 .	Define Supplector Machine Construct deci Name Sunita Anita	sion tree for follo  Hair  Blonde  Blonde	Secondary dataset.  Height Average Tall Short Short	Weight Light Average Average Heavy	Location No Yes Yes	Class Yes No No	
	Q5 Q5 .	Define Supplector Machine Construct deci Name Sunita Anita Kavita	sion tree for follo  Hair  Blonde  Blonde  Blonde	Seconing dataset.  Height Average Tall Short Short Average	Weight Light Average Average Heavy Heavy	Location No Yes Yes No	Class Yes No No Yes	
	Q5 Q5 .	Define Supplector Machine Construct deci Name Sunita Anita Kavita Raji	sion tree for follo  Hair  Blonde  Blonde  Brown	Seconing dataset.  Height Average Tall Short Average Tall Average Tall	Weight Light Average Average Heavy Heavy Heavy	Location No Yes Yes No No	Class Yes No No Yes Yes	
	Q5 Q5 .	Define Supplector Machine Construct deci Name Sunita Anita Kavita Raji Sushma Ramésh	sion tree for follo  Hair  Blonde  Blonde  Blonde  Brown  Red  Brown	Seconing dataset.  Height Average Tall Short Average Tall Average	Weight Light Average Average Heavy Heavy Light	Location No Yes Yes No No Yes Yes Yes Yes Yes	Class Yes No No Yes Yes No	
	Q5 Q5 .	Define Supplector Machine Construct deci Name Sunita Anita Kavita Raji Sushma Ramésh Shevta	sion tree for followard for the followard for the for followard for foll	Seconing dataset.    Height	Weight Light Average Average Heavy Heavy Light oaches of probal	Location  No Yes Yes No No Yes Yes Yes istic models.	Class Yes No No Yes Yes No No No	
	Q5   Q5	Define Supplector Machine Construct deci Name Sunita Anita Kavita Raji Sushma Ramésh Shevta a) Discuss G b) Discuss G a) Define	sion tree for followard for the followard for the for followard for for followard for	Seconing dataset.  Height Average Tall Short Average Tall Average Tall Average Scriminative appropriate of K-means algorithms.	Weight Light Average Average Heavy Heavy Light oaches of probali	Location No Yes Yes No No Yes Yes Yes Yes Sistic models.	Class  Yes  No  No  Yes  Yes  No  No  No  No  No  No  No  No	