Universiti Malaysia PAHANG	COURSE: Artificial Intelligence Techniques		MARKS: /100
	TOPIC: CBR	CODE: BCS 2313	
	ASSESSMENT: Group	NO: 2	DURATION: 2 Hours

Instruction: *This is a individual programming task –VB.NET*

Hb	TRBC	MCV	MCH	MCHC	HBA2	HBF	PCV	Class
12.70	5.65	75.20	22.50	29.90	30.80	0.60	42.50	A
11.30	4.52	76.50	25.00	32.70	26.60	0.50	34.60	A
12.20	5.39	71.90	22.60	31.40	31.80	0.90	38.80	A
10.20	4.37	71.40	23.30	32.60	26.80	5.10	61.20	A
10.30	4.37	71.30	23.30	31.60	26.80	5.10	61.20	A
11.20	5.20	63.10	21.50	34.10	27.50	2.10	32.80	A
14.20	6.03	72.00	23.50	32.80	30.00	0.80	43.30	A
9.50	3.76	82.70	25.30	30.50	28.80	0.70	31.10	A
9.20	5.20	58.80	17.70	30.10	5.70	1.20	30.60	B
8.80	4.48	66.70	19.60	29.40	6.30	2.80	29.40	B
11.90	5.33	66.60	22.30	33.50	5.30	0.80	35.80	B
9.10	4.70	60.20	19.40	32.30	6.10	2.30	28.30	B
9.40	4.50	71.10	20.90	29.40	5.90	1.70	32.00	B
11.00	5.00	66.60	32.00	33.00	4.90	1.00	33.30	B
6.40	3.02	63.60	21.30	33.30	5.90	2.40	19.20	B
10.70	5.56	60.80	19.20	31.70	5.40	1.60	33.80	B

Table 1: Case-base for medical data

Hb	TRBC	MCV	MCH	MCHC	HBA2	HBF	PCV	Class
14.20	6.03	72.00	23.50	32.80	30.00	0.80	43.30	?
11.09	5.00	66.60	32.00	33.06	5.00	1.40	33.30	?
15.10	5.85	80.20	25.80	32.30	28.40	0.70	46.80	?
10.00	4.74	69.20	21.10	30.50	5.60	2.00	32.80	?

Table 2: New problem

Task:-

1. Use a file or database to store the “case-base” in Table 1.
2. Use **Similarity Measure** in CBR, to find a solution for the *new problem* in Table 2.
3. Calculate the **Local & Global Similarity** for each attributes & cases, and show it at your interface.
4. Find out what is the **Class** for each new problem in Table 2,
5. Submission Date : **End of Lab Session**