Seat No:

PARUL UNIVERSITY **FACULTY OF IT & COMPUTER SCIENCE** MCA

Enrollment No:

WICA, Summer 2017 – 18 E					
Semester: 4	Date: 28/05/2018				
Subject Code: 05293251	Time: 10:30 am to 01:00 pm				
Subject Name: English and Mathematical Aptitude-1	Total Marks: 60				
Instructions:					
1. All questions are compulsory.					
2. Figures to the right indicate full marks.					
3. Make suitable assumptions wherever necessary.					
4. Start new question on new page.					
0.1 Answer the followings.					
A. Explain the proverbs.	(05)				
1. "The pen is mightier than the sword."					
2. "When in Rome, do as the Romans."					
3. "The squeaky wheel gets the grease."					
4. "When the going gets tough, the tough get going."					
5. "No man is an island."					
B. Multiple choice type questions/ Give the sentence true or fa	alse. (Each of 01 marks) (10)				
1. The diagram given below represents those students who pla	y Cricket, Football and Kabaddi.				
Study the diagram and identify the students who play all th	e three games.				
Kabaddi	C				
P Q R					

4.	Start ne	w que	stion	on	new page.			
).1	Answe	er the	follo	win	ζs.			
A. Explain the proverbs.								
	1. "The	e pen	is mig	ghtie	r than the sword."			
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	5. "No	man i	is an i	islar	d."			
B.	Multip	ole ch	oice t	ype	questions/ Give the senter	nce true of	r false. (Each of 01 marks)	(1
	1. The	diagra	am gi	ven	below represents those stud	lents who	play Cricket, Football and Kabaddi.	
	Stuc	ly the	diagr	am	and identify the students wl	10 play all	the three games.	
		Kabaddi						
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		~		 				
		s	Т	U				
	Eastha	v		_				
	FUUDa	<u> </u>						
			Crick	ket				
А.		P + Q + F			B.	В.	V + T	
	C.	S	5 + T	+ V		D.	S	
	2. In the surg	ne figu geon. I ∕∖	ire giv By wł	ven nich	below, square represents do letter the ladies who doctor	ctors, triar and surge	ngle represents ladies and circle represents on both are represented?	



3. Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M.?

South-East South A. B.

C. North D. West

4. A boy rode his bicycle Northward, then turned left and rode 1 km and again turned left and rode 2 km. He found himself 1 km west of his starting point. How far did he ride northward initially?

A. 1 km	B. 2 km
C. 3 km	D. 5 km

5. Some boys are sitting in three rows all facing North such that A is in the middle row. P is just to the right of A but in the same row. Q is just behind of P while R is in the North of A. In which direction of R is Q?



C.3 D.4
E.5
10. Some boys are sitting in three rows all facing North such that A is in the middle row. P is just to the right of A but in the same row. Q is just behind of P while R is in the North of A. In which direction of R is Q?

A.South

B.South-West **D.**South-East

- C.North-East D.South-East Q.2 Answer the followings. (2 or 3 Mark Questions.) (Three Q- 2 marks & Two Q-3 marks.) (15) 1. How can you use proverbs to learn English? 2. What are IDIOMS? 3. What is View diagram?
 - **3.** What is Venn diagram?
 - 4. "Bite off more than you can chew." Explain.
 - 5. "Caught between two stools." Explain.
 - 6. "Costs an arm and a leg." Explain.

Q.3 Answer the following. (Any three)

- **1.** A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 kms away from A at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. What is the speed of the car?
- **2.** A fruit seller had some apples. He sells 40% apples and still has 420 apples. Find the number of apple originally he had?
- **3.** A man complete a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km.

4. What is the difference between the compound interests on Rs. 5000 for $1\frac{1}{2}$ years at 4% per annum

compounded yearly and half-yearly?

Q.4 Answer the following.

A. Mr. Thomas invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be Rs. 3508, what was the amount invested in Scheme B?

(15)

B.	1. Two pipes A and B together can fill a cistern in 4 hours. Had they been opened separately, then B would have taken 6 hours more than A to fill the cistern. How much time will be taken by A to fill	(05)
	the cistern separately?	(05)
	2. If selling price is doubled, the profit triples. Find the profit percent.	` '

OR

B.	1. A can lay railway track between two given stations in 16 days and B can do the same job in 12 days.	(05)
	With help of C, they did the job in 4 days only. In how many days C alone can do the job?	

2. The difference between simple and compound interests compounded annually on a certain sum of (05) money for 2 years at 4% per annum is Re. 1. What is the sum (in Rs.)?