Cognizant mock 1

Q1. There are forty students in a class out of which there are 14 who are taking Maths and 29

group is taking only the Computer class? (a) 40% (b) 55% (c) 65% (d) 70%
Q2. Find the number, the second digit of which is smaller than its first digit by 4, and if the number was divided by the digit's sum, the quotient would be 7. (a) 51 (b) 62 (c) 73 (d) None of these
Q3. If all 6s get inverted and become 9s, between 1 and 100 then by how much will the sum of all numbers change including both? (a) 300 (b) 330 (c) 333 (d) None of these
Q4. Rajesh and Prabhu went to a bookshop. Rajesh purchased 5 pens, 3 notebooks, and 9 pencils and used up all her money. Prabhu purchased 6 pens, 6 notebooks, and 18 pencils and paid 50% more than what Rajesh paid. What % of the Rajesh money was spent on pens? (a) 12.5 (b) 62.5 (c) 75 (d) Cannot be determined
Q5. In a group of persons travelling in a bus, 6 persons can speak Tamil, 15 can speak Hindi, and 6 can speak Gujarati. In that group, none can speak any other language. If 2 persons in the group can speak two languages and one person can speak all three languages, then how many persons are there in the group? (a) 21 (b) 22 (c) 24 (d) 23
Q6. There are 2 trucks facing each other at a distance of 500 cm from each other. Each truck moves forward by 100 cm at a speed of 50 cm/s and then moves backwards by 50 cm at a speed of 25 cm/s. How long will they take to collide? (a) 12 sec (b) 16 sec (c) 13 sec (d) 14 sec
Q7. What is the greatest number that will divide 964, 1238, and 1400 and leave a remainder of 41, 31, and 51 respectively? (a) 71 (b) 58 (c) 64 (d) 79
Q8. The average temperature of Monday, Tuesday and Wednesday were 37°C and on Tuesday, Wednesday and Thursday was 34°C. If the temperature on Thursday was 4/5 th of that of Monday, then what was the temperature on Thursday? (a) 36 °C (b) 36.5 °C (c) 34 °C (d) 35.5 °C
Q9. There are 6 cities, and every city is connected to each other. How many different routes can one trace from A to B, such that no city is touched more than once in any one route?

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(a) 72	(b) 65	(c) 60	(d) 4	8
			ll take t	n 5 minutes. The same person tells the secret to 2 to tell it to tell 768 persons? (d) 49 min
	cubes of edges The edge of th (b) 14 cm		will be	d 10 cms are meted without loss of metal into a e: (d) 8 cm
mangoes for price?	Rs. 15. So wha	at could be	the pri	20% enables a farmer to purchase 12 more ce of 16 mangoes before the reduction of the
(a) Rs. 9	(b) Rs. 7	(c) Rs. 5	•	(d) Rs. 6
		d half at the	e rate o	He travels the first half of the journey at the rate of 24 km/hr. Find the total journey in km. (d) 224 km
they first be		12 noon, at	t what t	gular intervals of 50 seconds and 48 seconds. If time will they beep again together? (d) 12:12 PM
•	f Rs. 33. What	•	centag	e of Rs. 375 per dozen. He sold each one of them e profit? (d) 6.5 %
				s while it can be emptied by another tap in 9 ously, then after how much time cistern will get
(a) 7 hours	(b) 7.1 hou	ırs (c) 7.2	hours	(d) 7.3 hours
Q17. In how (a) 650 ways	•	•		tters of the word 'INHALE' be arranged? (d) 720 ways
	O.			he persons of one country shake hands with all ber of handshakes possible?

(d) 234

(d) none of the above

Q19. What is the smallest number that when decreased by 8 is divisible by 21, 27, 33, and 55?

(c) 144

(c) 15490

(b) 288

(b) 10405

(a) 66

(a) 1490





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Q20. There a	re 8 footbal	I teams in a	certain league	and each team plays each of the of	ther
teams exactly	y once. If ea	ch game is p	layed by 2 tea	ms, what is the total number of gar	mes
played?					
(a) 15	(b) 16	(c) 64	(d) 28		
		•	^100 is divide	d by 23?	
(a) 3	(b) 2	(c) 1	(d) 0		
can fill the bu	ucket in 36 r	minutes, the	n the slower p	as another pipe. If together the two ipe alone will be able to fill the buo es. (d) 192 minutes.	
	-			d the speed of the current is 2.5 kr	n/hr.
What is Ama				/ I) 42 5 L	
(a) 8.5 km/hr		-	• •	(d) 12.5 km/hr	•
	ncrease the	-		a school are in the ratio 5:7:8. The 75% respectively. What will be the	
(a) 6:7:8		3:4	(c) 6:8:9	(d) None of the above	
				nal diameter is 8 cm. If the thicknes ght of the pipe is:	s of the
(a) 3.6 kg			(c) 36 kg		
		_	_	After 8 years, he would be two and	l a half
				any times would he be of Rohit's a	
(a) 2 times	_		(c) 2.75 times	-	J
are opened. (a) 3 hrs 45 n Q28. A ship,	What is the nin (b) 3 h whose spee ours 30 min	total time ta rs 15 min (d in 15 km/h	ken to fill the c) 4 hrs 15 mir r in still water	e bucket is filled, three more simila bucket completely?	·
is the quantit	ty of water i	needed to be		er is 2:1. If this ratio is to be 1:2, the	en what
Q30. A hall is equal to the	15 m long	and 12 m bro	oad. If the sum	of the areas of the floor and the coume of the hall is:	eiling is
Q31. A train	running at 5		125 meters lor	ng passes a man moving in the same The speed of the train is:	е
(a) 50 km/hr	(b) 54 km	/hr (c) 55 k	m/hr (d) 60	km/hr	





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	-	or the principal a	mount?	e of 9 % p.a. in 5 years.
invalid votes. At number was fou candidate got, v	the end of the ound to be 7500. Sind to be 7500. Sind to be 7500.	day when the to So what was the	tal number of votes total number of va	tal valid votes and got 20% were counted, the total lid votes that the winning
(a) 2800	(b) 3300	(c) 3100	(d) 2700	
Q34. January 1, (a) Thursday	2008, is Tuesday (b) Sunday	y. What day wou (c) Tuesday	ld lie on Jan 1, 2009 (d) Wednesday	9?
remainder whe	n 2n is divided b	•	_	der. What will be the
By what distanc	e Aman beats Bi			and Bijay takes 45 seconds
Q37. Identify th (a) 532	e odd number fi (b) 853	rom the series: 8 (c) 981	35, 734, 642, 751, 3 (d) 751	353, 981, 532
can they be sele		nt least one man	e to be selected. In should be there in (d) 120 ways	now many different ways the group?
			•	and 6 are blue. Three balls at all of them are red is:
capacity of doin complete the w	g work. If X is as ork?		Z on every third day	tively depending on their , then in how X will





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Answer key

1	С	9	В	17	D	25	В	33	D
2	D	10	С	18	Α	26	Α	34	Α
3	В	11	С	19	D	27	Α	35	С
4	В	12	С	20	D	28	С	36	Α
5	D	13	D	21	D	29	Α	37	D
6	D	14	В	22	Α	30	В	38	Α
7	Α	15	Α	23	С	31	Α	39	D
8	Α	16	С	24	В	32	D	40	В