Quantitative Aptitude

Directions (Q. 76-80) What should come in place of question mark (?) in the following questions ?

76. 188.21 - 27.54 - 11.93 = ?

- (1) 139.74
 - (2) 126.64
 - (3) 148.54
 - (4) 184.64
 - (5) None of the above
- 77. $8^{1.1} \times 4^{2.7} \times 2^{3.3} = 2^{?}$
 - (1) 7.1
 - (2) 14 (4) 9 (3) 0.5
 - (5) None of these
- **78.** ³√1331 =?
- (2) 21 (1) 27 (4) 9 (3) 17 (5) None of these **79.** 18.5% of 220 + 12.4% 680 = ? (2) 125.02 (1) 132.05 (4) 118.07 (3) 142.07
- (5) None of these **80.** $1268 \div 8 \div 2 = ?$ (2) 317 (1) 71.75 (4) 79.25
 - (3) 268 (5) None of these

Directions (Q. 81-85) In the following number series only one number is wrong. Find out the wrong number.

81. 4 5 12 38 160 805 4836

- (5) None of the above
- 85. 5 55 495 3465 17325 34650 51975
 - (2) 34650 (1) 495
 - (4) 17325 (3) 55
 - (5) None of these

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	Directions (Q. 86–9 carefully to answer th	90) Study the following information he questions that follow.	94.	In how many differe	ent ways can the letter	rs of the wor
		caps, 4 red caps, 5 green caps and 1		'TRUST' be arranged (1) 240 (3) 80	? (2) 120	
86	6. If two caps are picked a that both are blue ?	at random, what is the probability		(5) None of these	(4) 25	2005-164 BioM-68)
	(1) $\frac{1}{6}$	(2) $\frac{1}{10}$		The ages of Shirish a respectively. After 8 y What is the difference	yr the ratio of their age	ratio of 5 : s will be 7 : 8
	(3) $\frac{1}{12}$ (5) None of these	(4) $\frac{1}{45}$		(1) 4 yr (3) 10 yr	(2) 8 yr (4) 12 yr	
87.	(5) None of theseIf four caps are picked a that none is green ?	at random, what is the probability		(5) None of these Directions (Q. 96-	100) What approximate	
	(1) $\frac{7}{99}$	(2) <u>5</u> 99		questions ? (Note :	he question mark (?) in You are not expected to	the followin
	(3) $\frac{7}{12}$ (5) None of these	(4) $\frac{5}{12}$	96.	exact value.) 5554.999 + 50.0007 =	?	
88.	(5) None of theseIf three caps are picked a that two are red and one	at random, what is the probability		 (1) 110 (3) 200 (5) 125 	(2) 150 (4) 50	
	that two are red and one (1) $\frac{9}{22}$ (2) $\frac{1}{1}$	e is green ? $\frac{6}{19}$ (3) $\frac{1}{6}$	97.	$(18.001)^3 = ?$ (1) 5830	(2) 5500	
	(4) $\frac{3}{22}$ (5) N	None of these		(3) 6000 (5) 5240	(2) 5500 (4) 6480	
89.	it is either blue or yellow			23.001 × 18.999 × 7.99 (1) 4200	98 = ? (2) 3000	
	(1) $\frac{2}{9}$ (3) $\frac{3}{2}$	(2) $\frac{1}{4}$		(3) 3500 (5) 2500	(4) 4000	
	8 (5) None of these	⁽ ∜भूभू.educationobse		(1) 18	(2) 15	
	that at least one is red ?	t random, what is the probability		 (3) 6 (5) 20 22.005% of 449.999 = ? 	(4) 11	
	(1) $\frac{1}{3}$ (2) 19	(2) $\frac{16}{21}$		 (1) 85 (3) 125 	(2) 100 (4) 75	
	 (3) 19/33 (5) None of these 	$(4) \frac{7}{19}$		(5) 150		
	amount of ₹ 8000 at the 1	mpound interest accured on a rate of 15% per annum in three		Directions (Q. 101–1 carefully to answer th Percenting	. 05) Study the follow the questions. rease in profit of two	ving grapl
	years ? (1) ₹ 4283 (3) ₹ 4167	(2) ₹ 4051 (4) ₹ 4325		60 55	as over the years	
92.	(5) None of these What would be the cost	t of building a fence around a		50 50 45		
2 1) (square plot with area equ foot of building the fence (1) ₹ 4056 (3) ₹ 3948	ual to 361 sq. ft. If the price per		Her cent tipod 25 25 20 25 25 25 25 25 25 25 25 25 25 25 25 25		Company
93. 1	(5) None of these The difference between number obtained by inter	a two digit number and the rchanging the two digits of the		²⁰ 20 15	194 (941) (94 - 940) (94 - 95) 1993 (94 - 94 - 94 - 95)	entistingenti Sertis div Di
I I	number is 9. If the sum of 15, then what is the origin	f the two digits of the number is nal number ?		10 5	ella des des fils e dels S. del des est (sej socialis	
	 (1) 89 (3) 87 (5) None of these 	(2) 67 (4) Cannot be determined		0 2004 2005 200	06 ' 2007 ' 2008 ' 2009 ' Year	

101.	of profit ?	ny A earn the maximum amount		College Year	Р	Q	R	S	Т	U
	(1) 2009	(2) 2006		2004	2500	2250	2450	2150	2020	2300
	(3) 2007	(4) Cannot be determined		2005	2040	2300	2400	2200	2090	2120
	(5) None of these	Di di		2006	2100	2150	2330	2250	2180	2260
102.	If the amount of profit ear	rned by Company B in the year at was the profit earned by it in		2007	2280	2600	2260	2340	2250	2490
	the year 2005 ?	at was the profit earlied by it in		2008	2540	2540	2120	2380	2310	2520
	(1) ₹ 5 lakh			2008	2320	2440	2500	2480	2400	2440
	(2) ₹ 3.5 lakh (3) ₹ 4 lakh		111.	What is the total together in the ye	ear 200	5?	dents			olleges
	(4) Cannot be determined(5) None of the above			(1) 10350(4) 11350	(5)	13150 None o				
103.	of Company A over all the (1) 31	verage percent increase in profit 9 years together ? (2) 27 (4) 39	112.	What is the perce College T in the (rounded off to tw (1) 8.33	e year wo digi	2007	from t	the pre	vious	
	(3) 40 (5) 34	(4) 55		(4) 3.21	(5)	None o				
104.	What is the average percent B in the year 2007 and 20 (1) 40	nt increase in profit of Company 09 together ? (2) 45	113.	Number of stude approximately v students in that (what p	ercent	of th	ie tota	l num	ber of
	(1) 40(3) 38(5) None of these	(4) 42		(1) 11(4) 26	(2) (5)	31		(3) 18		
105.	What is the respective rati	o of percent increase in profit of	114.	What is the respective College S in the						
	profit of Company B in th	2008 to the percent increase in		number of stude						
	(1) 9:7	(2) 6:11		 (1) 473:470 (3) 371:390 		(2)	470 : · 390 : ·	473		
	(3) 11:6	(4) 7:9 www.educationobs	serv		erum		000.	071		
	(5) None of these			What is the avera		nber of	studer	nts in al	l the C	olleges
	Directions (Q. 106–110) questions two equations have to solve both the eq) In each of the following numbered I and II are given. You motions and		together in the j integer)	year 2()04 ? (1		ed off t	o the	
	Give answer (1) if $x < y$	autono una		(1) 2208(4) 2324		2196 2278		(3) 21	144	
	Give answer (2) if $x \le y$			(4) 2024	(3)	2270				
	Give answer (3) if $x > y$ Give answer (4) if $x \ge y$			Directions (Q answer to answ					e care	fully to
	Give answer (5) if $x = y$ established	or the relationship cannot be	An Organization And (Of These) Percentag							
106.	I. $x^2 + 12x + 32 = 0$			and Males.						
	II. $y^2 + 17y + 72 = 0$			Department		Fotal mber ol		centage		entage
107.	I. $x^2 + 13x + 42 = 0$ II. $y^2 + 19y + 90 = 0$			Department		ployees		emales	of N	lales
				IT		840		45		55
108.	I. $x^2 - 15x + 56 = 0$			Accounts		220		35		65
	II. $y^2 - 23y + 132 = 0$			Production		900		23		77
109	I. $x^2 + 7x + 12 = 0$			HR		360		65		35
	II. $y^2 + 6y + 8 = 0$			Marketing		450		44		56
110	I. $x^2 - 22x + 120 = 0$			Customer Servie	ce	540		40		60
110	II. $y^2 - 26y + 168 = 0$		116.	What is the resp	oective	ratio ol	the r	umber	of fen	ales in
	carefully to answer to qu			Production depar Marketing depar (1) 22 : 23		? (2)	35 : 3	3	emales	in the
	Number of Students stu over the years	dying in Six Different Colleges		(3) 23 : 22(5) None of thes		(4)	33:3	5		

117.	Service departments together ?
	(1) 687 (2) 178 (3) 768 (4) 876 (5) None of these
118.	The total number of employees in the HR department forms approximately what percent of the total number of employees in the Accounts department ? (1) 149 (2) 178 (3) 157
119.	 (4) 164 (5) 137 What is the respective ratio of the number of females in the HR and Accounts departments together to the number of males in the same departments together ? (1) 311:269 (2) 268:319 (3) 269:311
120.	(4) 319 : 268 (5) None of these What is the total number of employees in all the
	departments together ? (1) 3260 (2) 3310 (3) 3140 (4) 3020 (5) None of these
	Directions (Q. 121–125) Study the following graph carefully to answer the questions that follow.
	Number of Females and Males Working in Five Different Organizations

B

C I Organization

aldoe 2500-

Number

- 121. The number of Males in the Organization D forms what percent of the total number of Employees from that Organization ? (rounded off to two digits after decimal)(1) 54 17
 - (2) 62.64
 - 52.25
 - (4) 61 4
 - (5) None of the above
- **122.** What is the respective ratio of the number of Females to the number of Males from Organization A ?
 - 1) 11:8
 - 2) 7:6
 - (3) 8:11
 - (4) 6:7
 - (5) None of the above
- **123.** Number of Females from Organization E forms approximately what percent of the total number of Employees from that Organization ?
 - (1) 58 (2) 60
 - (3) 52 (4) 62

(5) 55

- **124.** What is the total number of Females from all the Organizations together ?
 - (1) 11540
 - (2) 11750
 - 3) 12440
 - 4) 10250
 - (5) None of the above

er 1257 Whet is the regist number of employees working in Organization C and B together ?

- (1) 8950 (2) 9520
 - 3) 8250 (4) 9500
- (5) None of these