For more materials visit www.educationobserver.com/forum

see below for questions

TEST II QUANTITATIVE APTITUDE

Directions (Q. Nos. 76–80) What will come in place of question mark (?) in the following questions? (1) 18(2) 21(4) 28 (5) None of these $(2)(9)^2$ (3)9(4) 27 (5) None of these (1) 25(3) 625 (4) 15 **79.** $(\sqrt{8} \times \sqrt{8})^{1/2} + (9)^{1/2} = (?)^3 + \sqrt{8} - 340$ (2) 19 (4)9(5) None of these (3) 12 (4) 16(5) None of these

Directions (Q. Nos. 81–85) What **approximate** values should come in place of the question mark (?) in the following questions? (You are not expected to calculate the exact value.)

81.	$\left(\frac{24}{9}\right)^2 \times \frac{399}{39} \div \frac{41}{899} = ?$	
	(1) 1600	(2) 1650
	(3) 1700	(4) 1550
	(5) 1750	
82.	67.99% of 1401-13.99%	6 of 1299 = ?
	(1) 700	(2) 720
	(3) 770	(4) 800
	(5) 740 .	
83.	5466.97 - 3245.01 + 1122	2.99 = ?+ 2309.9
	(1) 1130	(2) 1000
	(3) 1100 dat and in less	(4) 1030
	(5) 1060	
84.	$5998 \div 9.98 + 670.99 - 13$	9.99 = ?
	(1) 1080	(2) 1280
	(3) 1180	(4) 1130
	(5) 1230	
85.	$-(4.99)^3 + (29.98)^2 - (3.0)^3$	$(1)^4 = ?$
	(1) 550	(2) 590
	(3) 620	(4) 650
	(5) 690 · model i ib er	

	Directions (Q. Nos. 80 auestion mark (?) in th	3–90) What will come in place of e following number series?	98. The total area of a circle and a rectangle is equal to 1166 sq cm. The diameter of the circle is 28 cm. What is the sum of				
	1 7 49 343 (?) (1) 16807 (3) 2058	(2) 1227 (4) 2401	the circumference of the circle and the perimeter of the rectangle if the length of the rectangle is 25 cm? (1) 186 cm (2) 182 cm (3) 184 cm (4) Cannot be determined				
	(5) None of these		(5) None of these				
	13 20 39 78 145 (?) (1) 234 (3) 236 (5) None of these	(2) 244 (4) 248	99. Raman scored 456 marks in an exam and Seeta got 54 per cent marks in the same exam which is 24 marks less than Raman. If the minimum passing marks in the exam is 34 per cent, then how much more marks did Raman score				
88.	12 35 81 173 357 (?) (1) 725 (3) 726 (5) None of these	(2) 715 (4) 736	than the minimum passing marks? (1) 184 (2) 196 (3) 190 (4) 180 (5) None of these				
89.	3 100 297 594 991 (?) (1) 1489 (3) 1478 (5) None of these	(2) 1479 (4) 1498	100. Smallest angle of a triangle is equal to two-third the smallest angle of a quadrilateral. The ratio between the angles of the quadrilateral is 3:4:5:6. Largest angle of the triangle is twice its smallest angle. What is the sum of				
90.	112 119 140 175 224 (?) (1) 277 (3) 287 (5) None of these	(2) 276 (4) 266	second largest angle of the triangle and largest angle of the quadrilateral? (1) 160° (2) 180° (3) 190° (4) 170° (5) None of these				
	two equations numbe solve both the equation	91–95) In the following questions red I and II are given. You have to ns and—	 101. A 320 m long train moving with an average speed of 120 km/h crosses a platform in 24 s. A man crosses the same platform in 4 min. What is the speed of man in m/s? 				
	Give answer (1) if $x > y$ (2) if $x \ge y$ (3) if $x < y$	www.educationobs	(1) 2.4 (2) 1.5 serve ⁽²⁾ . Com/forum ^{(4) 2.0} (5) None of these				
01	(4) if $x \le v$	onship cannot be established	 102. The simple interest accrued on a sum of certain principal is ₹ 7200 in six years at the rate of 12 p.c.p.a. What would be the compound interest accrued on that principal at the rate of 5 p.c.p.a. in 2 yr? (1) ₹ 1020 (2) ₹ 1055 (3) ₹ 1050 (4) ₹ 1025 				
	II. $(81)^{1/4} y + (343)^{1/3} = 0$ II. $\frac{18}{x^2} + \frac{6}{x} - \frac{12}{x^2} = \frac{8}{x^2}$						
	II. $y^3 + 9.68 + 5.64 = 16$.95	(5) None of these103. Sum of square of first number and cube of second number is 568 together. Also square of the second number is 15				
93.	. I. $\frac{(2)^5 + (11)^3}{6} = x^3$ II. $4y^3 = -(589 \div 4) + 5y$		less than square of 8. What is the value of three-fifth of the first number? (assuming both the numbers are positive)				
	. I. $12x^2 + 11x + 12 = 10$ II. $13y^2 - 18y + 3 = 9y^2$	$x^2 + 22x -10y$	(1) 18 (2) 8 (3) 9 (4) 16 (5) None of these				
	. I. $(x^{7/5} \div 9) = 169 \div x^{3/5}$ II. $y^{1/4} \times y^{1/4} \times 7 = 273$		104. The sum of 8 consecutive odd numbers is 656. Also average of four consecutive even number is 87. What is the sum of the smallest odd number and second largest even number?				
96	one chair is ₹ 210 less cost of two tables and (1) ₹ 1660 (3) ₹ 2600	and three tables is ₹ 3110. Cost of than cost of one table. What is the two chairs? (2) ₹ 1860 (4) Cannot be determined					
97	Rohan and Raj is 3 : 4 ages is 28 yr then wh Ram and Rohan togetl (1) 45 yr (2	between the present ages of Ram, 4 : 5. if the average of their present at would be the sum of the ages of her after 5 yr?) 55 yr (3) 52 yr) None of these	per cent. From that money she purchased another item and sold it for gain of 5 per cent. What is her overall gain/loss? (1) Loss of ₹ 36 (2) Profit of ₹ 24 (3) Loss of ₹ 54 (4) Profit of ₹ 36 (5) None of these				

				Sc	the test from four schools in six different years School				
Year	A		В		С		D	D	
	Appeared	Passed	Appeared	Passed	Appeared	Passed	Appeared	Passed	
2004	124	78	445	354	454	343	546	345	
2005	234	124	545	435	732	567	565	456	
2006	456	235	664	454	693	456	235	112	
2007 2008	398 546	156 346	345 584	144	645	545	546	234	
2009	547	435	704	354 347	354 578	258 313	656 456	564 252	
school-C	in the year 20	008 and the n	led candidates	idates	. What was the a Navy overall th	average numl	per of soldiers re		
(1) 335 (4) 332	(2) (5)	325 None of these	ol-D in the year (3) 322 e tween the numi		 (1) 25000 (3) 2400 (5) None of the 		00		
candidat	es who appea second lowes	red and pass	ed in the exam (3) 2006	from 112.	what percentag 2006?	liers recruited ge of soldiers	d in Navy in the recruited in Arr	year 2009 v ny in the y	
(4) 2007	(5)	2008	ween the numb		(1) 140(4) 180	(2) 150 (5) None	(3) 16 e of these	0	
and the from sch (1) 11 : 4 (4) 9 : 11 109. Number school E cent of	number of car ool-D in the ye (2) (5) of candidates in the year 2	ndidates who ear 2009? 11 : 5 None of thes who passed 005 was app candidates v 08? 87	ol-C in the year passed in the (3) 5 : 11 educatio l in the exam roximately wha vho appeared (3) 90	exam nobserve from 114. it per from	2010 was fem recruited in Ai (1) 63000	ale then wh r force in that (2) 6300 Druff) None respective r ted for Airfor rs recruited in (2) 5 : 1 (5) None	(3) 61 e of these atio between th rce in the year 1 Army in the yea 3 (3) 2 e of these	ber of ma 000 te number 2005 and t ear 2009? : 17	
of candi		sed in the exa red to the pre	crease in the nu am from school evious year? (3) 26	moon	what was appr soldiers recruit the previous ye (1) 20	ed in Army in	entage decrease 1 the year 2008 as (3) 38	s compared	
4) 30	(5)				(4) 30	(5) 33	ou goillinnic s. bh		
carefu	lly to answer th	e questions the ecruited (in t	housands) in th		Pie-chart car	efully to answ Total Stud	6–120) Study er these questions ents = 6500 Students in diffe		
100-	Arm							Cours	
Number fo Soldiers recruited (in thousands) - 0.0 - 0.	Am						B.Ed 18% B.Tech 7% Pharmacy 13%		

2010

Years

For more materials visit www.educationobserver.com/forum

01

116. What is the value of half of the difference between the number of students in MBA and MBBS?

1) 800	(2) 1600	(3) 1300
4) 650	(5) None of these	

 117. How muc are in MB (1) 49 (4) 41 118. What is th and MBBS (1) 2465 	A as com ne total n	pared to s (2) 53 (5) 44 umber of	students i students	n B.Ed.? (3) 59		 121. What was the average of the earning of Person-B in the year 2006, C in the year 2008 and E in the year 2005 together? (1) ₹ 3.62 lac (2) ₹ 2.64 lac (3) ₹ 3.64 lac (4) ₹ 10.86 lac (5) None of these 122. What was the respective ratio between the amount earned
(4) 2504 119. What is students i B.Tech? (1) 11 : 13	in Pharm	(5) None ective rat acy and (2) 13 : 6	of these io betwe the num	en the n	udents in	122. What was the respective ratio between the amount earned by Person-B in the year 2007 and Person-D in the year 2010? (1) 32 : 107 (2) 31 : 105 (3) 29 : 107 (4) 32 : 105 (5) None of these
(4) 6 : 13 120. Number of percentage (1) 167 (4) 153 Direction carefull	e of the n ons (Q. N	umber of (2) 162 (5) 150	Sc. is ag students 25) <i>Stud</i>	in B.Ed.? (3) 157 y the follo	tely what wing table	 123. What is the approximate per cent increase in the amount earned by Person-D in the year 2010 as compared to the previous year? 7 2 (1) 7 (2) 21 (3) 18 (4) 15 (5) 12 124. Whose earning increased consistently from the year 2005
Amount e			five perso		different	to the year 2010? (1) A (2) B (3) C (4) D (5) E
Year 2005 2006 2007	A 2.24 1.44 4.63	B 4.33+ 3.34 2.70	C 5.64 6.93 7.52	D 3.73 5.52	E 1.69 5.52	125. Total amount earned by Person-A in the year 2006 and Person-C in the year 2010 together was approximately what per cent of the amount earned by Person-E in the

2006	1.44	3.34	6.93	5.52	5.52	what per cent of the a	mount earne
2007	4.63	2.79	7.52	5.68	4.28	vear 2009?	
2008	6.65	6.63	5.83	6.74	6.83		(2) 155
2009	5.34	4.50 T	រាលស៍94ed	lucæti	onobse	rvet ₃₎ f@m/forum	(4) 174
2010	7.38	5.36	7.84	9.45	9.94	(5) 162	(4) 174
						101 102	