

MAHARAJA RANJIT SINGH AFPI

14 JANUARY 2018

Marks: 400	Time: 120 minutes
ROLL NO.:	NAME:
SIGNATURE:	DATE / TIME:

	INSTRUCTIONS FOR THE CANDIDATES
1.	Before attempting the paper carefully read all the Instructions & Examples given on Side 1 of Answer Sheet (OMR Sheet) supplied separately.
2.	At the start of the examination, please ensure that all pages of your Test booklet are properly printed; your Test booklet is not damaged in any manner and contains 100 questions. In case of any discrepancy the candidate should immediately report the matter to the invigilator for replacement of Test Booklet. No claim in this regard will be entertained at the later stage.
3.	An OMR Answer Sheet is being provided separately along with this Test booklet. Please fill up all relevant entries like Roll Number, Test Booklet Code etc. in the spaces provided on the OMR Answer Sheet and put your signature in the box provided for this purpose.
4.	Make sure to fill the correct Test booklet code on Side 2 of the OMR Answer Sheet. If the space for the Booklet Code is left blank or more than one booklet code is indicated therein, it will be deemed to be an incorrect booklet code & Answer Sheet will not be evaluated. The candidate himself will be solely responsible for all the consequences arising out of any error or omission in writing the test booklet code.
5.	This Test Booklet consists of 08 pages containing 100 questions. Against each question four alternative choices (1), (2), (3), (4) are given, out of which one is correct. Indicate your choice of answer by darkening the suitable circle with BLACK/BLUE pen in the OMR Answer Sheet supplied to you separately. Use of Pencil is strictly prohibited. More than one answer indicated against a question will be deemed as incorrect response.
6.	The maximum marks are 400. Each question carries four marks. There will be negative marking of minus one (-1) for each incorrect answer.
7.	Do not fold or make any stray marks on the OMR Answer Sheet. Any stray mark or smudge on the OMR Answer Sheet may be taken as wrong answer. Any damage to OMR Answer Sheet may result in disqualification of the candidate.
8.	On completion of the test, candidate must hand over the Test Booklet and OMR Answer Sheet to the invigilator on duty in the room/hall.
9.	Use of Mobile phones, wrist watches and calculators etc. are not allowed.
10.	Keep all your belongings outside the Examination hall. Do not retain any paper except the ADMIT CARD.

Test Booklet code- A Page 1of 8

	ions (Question 1 to 7). In these questions, out of the four alternatives, choose the one which					
	presses the meaning of the given word.					
1	Analogous					
	(1) Unsuitable (2) uncritical (3) similar (4) disproportionate					
2	Remedial (2)					
	(1) punitive (2) stringent (3) corrective (4) strict					
3	Inscrutable (1) strongs (2) morphisms (4) sublims					
1	(1) strange (2) mysterious (3) marvelous (4) sublime Avaricious					
4						
5	(1) greedy (2) jealous (3) angry (4) confused Hiatus					
]	(1) sullen (2) gap (3) verbose (4) noise					
6	Banal					
	(1) peculiar (2) ordinary (3) curious (4) unoriginal					
7	Alleviate					
	(1) eradicate (2) remove (3) understand (4) lessen					
Directi	ions (Question 8 to 12). Fill in the blanks with a word or group of words from amongst the					
	s given.					
8	Though fond of many acquaintances, I desire only with a few.					
	(1) introduction (2) cordiality (3) intimacy (4) encounter					
9	The guilt or innocence of the will be decided by a court of law.					
	(1) killer (2) convict (3) criminal (4) accused					
10	His behavior is worthy of by the youngsters.					
	(1) following (2) trial (3) emulation (4) exploration					
11	will remember Maharaja Ranjit Singh as a truly great man.					
10	(1) future (2) time (3) probity (4) posterity No one really likes his jokes which come so abundantly and unexpectedly.					
12	No one really likes his jokes which come so abundantly and unexpectedly.					
Dinasti	(1) mirthful (2) hilarious (3) funny (4) outrageous					
	ions (Question 13 to 16). In these questions, out of the four alternatives, choose the one can be substituted for the given words/sentences.					
13						
	(1) aristocratic (2) atheist (3) autocrat (4) agnostic					
14	A person who thinks of the future with wisdom and imagination.					
	(1) futuristic (2) visionary (3) wise man (4) politician					
15	A person who believes in the total abolition of war.					
1.0	(1) pacifist (2) abolitionist (3) optimist (4) humanist					
16	A person who is devoted to the welfare of women					
Dimoeti	(1) womaniser (2) feminist (3) effeminate (4) activist					
17	ions (Question 17 to 18). Find the correctly spelt word out of the four words given (1) occurrence (2) occurrence (3) occurrence (4) occurrence					
18						
	<u>Directions (Question 19 to 23).</u> Four alternatives are given for the idiom/phrase in italics in the sentence. Choose the one which best expresses the meaning of the idiom/phrase					
19	The company is making money by <i>keeping its fingers on the pulse</i>					
	(1) checking the pulse					
	(2) knowing the correct pulse rate					
	(3) constantly aware of the most recent developments					
	(4) constantly keeping pulse checked					
20	He has <u>a bee in the bonnet</u> about moving to Dubai.					
	(1) make enquiries (2) ask suggestions					
	(3) carry an idea constantly (4) putting baggage in the bonnet					
21	If I were you, I would report the matter at once					
	(1) am (2) was (3) be (4) no improvement					
22	His <u>access to</u> the throne was a turning point in our history.					
	(1) acquisition of (2) accession to (3) accession of (4) no improvement					

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22				
23	I am surprised that <u>he dares speak</u> in such a tone to his father.			
(1) he dares to speak (2) he dare to speak (3) he dare speak (4) no improvement Piractions (Question 24 to 27) Septences are given with blanks to be filled in with an empropriate				
	ions (Question 24 to 27). Sentences are given with blanks to be filled in with an appropriate Choose the correct alternative out of the four.			
24	With the increase in population, houses all over the city.			
24	(1) established (2) mushroomed (3) consolidated (4) elevated			
25	Within two years the struggle by continuous outside support			
23				
26	(1) fuddled (2) hacked (3) diminished (4) burgeoned He made an astounding that I could be bought by money.			
20	(1) insinuation (2) fixation (3) aggrandizement (4) dilapidation			
27	He bore his disappointment with			
27	(1) embarrassment (2) persistence (3) disenchantment (4) fortitude			
Directi	ions (Question 28 to 29). Some of the sentences have errors and some have none. Find out			
	part (1), (2) or (3) of a sentence has an error. If there is no error, select (4)			
28	It would be more better (1)/ if you could paint (2)/ the gate green (3)/ no error (4)			
29	He collected his bags (1) / said good by to us (2) / and left for home immediately (3)/			
	no error (4)			
Directi	ions (Question 30 to 32). Reorder P,Q,R,S to make a meaningful sentence.			
30	The boy			
	P: in the competition Q: who was wearing spectacles			
	R: won many prizes S: held in our college			
	(1) RPSQ (2) SQRP (3) QRPS (4) SPRQ			
31	While it was true that			
	P: I had Q: to invest in industry			
	R: some land and houses S: I did not have ready cash			
	(1) PQRS (2) SQPR (3) QRPS (4) PSRQ			
32	The people decided			
	P: they were going Q: how much			
	R: to spend S: on the construction of the school building			
D : (1	(1) QPRS (2) PSQR (3) QSPR (4) SPRQ			
	(1) QPRS (2) PSQR (3) QSPR (4) SPRQ ions (Question 33 to 40). In these questions, you have two brief passages with 4 questions			
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PASSAGE - 2

"Is it good?" asked Mrs Thompson, seeing with what a keen relish the food was taken.

The child paused with the cup in her hand, and answered with a look of gratitude that awoke to new life old human feelings which had been slumbering in her heart for half a score of years.

"We'll keep her a two or two longer; she is so weak and helpless," said Mrs Joe Thompson.

"She'll be so much in your way," said Joe.

"I sha'nt mind that for a day or two. Poor thing."

What light and blessing did that sick and helpless child bring to the home of Joe Thompson, the poor wheelwright! It had been dark and cold and miserable there for a long time just because his wife had nothing to love and care for and so became sore, irritable, ill-tempered and self-afflicting in the desolation of her woman's nature. Now the sweetness of that sick child, looking ever to her in love, patience, and gratitude was as honey to her soul and she carried her in her heart as well as in her arms, a precious burden. As for Joe Thompson, there was not a man in the entire neighborhood who drank daily of a more precious wine of life than he. An angel had come into his house, disguised as a sick, helpless and miserable child and filled all its dreary chambers with the sunshine of love.

sick, no	k, helpless and miserable child and filled all its dreary chambers with the sunshine of love.					
37	Antonym of 'relish' is					
	(1) Dread (2) Pleas	se (3) Anticipate with pleasure	(4) Flavourful			
38	Half score of years is					
	(1) twenty years (2) five		(4) a decade			
39	_	had been dark and cold and miserable	•			
	(1) they were a childless coup		s self-absorbed			
	<u> </u>	ed (4) none of these				
40	'Burden' signifies					
	(1) unwanted guests	(2) sick and poor				
4.4	(3) miserable children	(4) heavy load which is difficult	to bear			
41	Simplify					
		1				
		1	-			
		$2 + \frac{1}{3 + \frac{1}{1 + \frac{1}{1}}}$	-			
		$3+\frac{1}{1+\frac{1}{2}}$	[;			
		•	·			
	$(1) \frac{19}{43} \qquad (2) \frac{7}{43}$	$(3)\frac{43}{19}$	$(4)\frac{1}{19}$			
	43	(3) 19	19			
42	Find the last two digits of the	expansion of $(2^{12n}-6^{4n})$ when n is any	a a altitua i lata a a u			
T-	Find the last two digits of the t		positive integer.			
72	(1) 06 (2) 00	(3) 08	4) 40			
43	_	(3) 08	-			
	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$	(3) 08 (4) 40			
	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$	(3) 08	4) 40			
43	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 9b+$ In measuring the sides of a red	(3) 08 (4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in			
43	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 9$ In measuring the sides of a red deficit. Find the error percent	(3) 08 (14 is correct for 5, $b \le -4$ (3) $b \ge 4$, $b \le -4$ (ctangle, one side is taken 5% in excess in area calculated from the measurer	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment.			
43	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 9$ In measuring the sides of a red deficit. Find the error percent	(3) 08 (14 is correct for 5, $b \le -4$ (3) $b \ge 4$, $b \le -4$ (ctangle, one side is taken 5% in excess	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment.			
43	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 5$ In measuring the sides of a red deficit. Find the error percent (1) $\frac{3}{5}\%$ excess (2) $\frac{2}{5}\%$	(3) 08 (14 is correct for 5, $b \le -4$ (3) $b \ge 4$, $b \le -4$ (ctangle, one side is taken 5% in excess in area calculated from the measurer	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment. 4) $\frac{4}{5}$ % excess			
43	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 9b+$ In measuring the sides of a red deficit. Find the error percent (1) $\frac{3}{5}\%$ excess (2) $\frac{2}{5}\%$ Which of the following does not	(3) 08 (14 is correct for 5, $b \le -4$ (3) $b \ge 4$, $b \le -4$ (ctangle, one side is taken 5% in excess in area calculated from the measurer excess (3) $\frac{1}{3}$ % excess (cot fit into the series 258, 130, 66, 34,	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment. 4) $\frac{4}{5}\%$ excess 18, 8, 6			
43	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 9b+$ In measuring the sides of a red deficit. Find the error percent (1) $\frac{3}{5}\%$ excess (2) $\frac{2}{5}\%$ Which of the following does not	(3) 08 (14 is correct for 5, $b \le -4$ (3) $b \ge 4$, $b \le -4$ (ctangle, one side is taken 5% in excess in area calculated from the measurer excess (3) $\frac{1}{3}$ % excess (cot fit into the series 258, 130, 66, 34,	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment. 4) $\frac{4}{5}\%$ excess 18, 8, 6			
43 44 45	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 9b+$ In measuring the sides of a red deficit. Find the error percent (1) $\frac{3}{5}\%$ excess (2) $\frac{2}{5}\%$ Which of the following does not	(3) 08 (2) 14 is correct for 5 , $b \le -4$ (3) $b \ge 4$, $b \le -4$ (catangle, one side is taken 5% in excess in area calculated from the measurer excess (3) $\frac{1}{3}$ % excess (3) of fit into the series 258, 130, 66, 34, (3) 66 (4) (4) (7) (14) (15) (15) (15) (15) (15) (15) (15) (15	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment. 4) $\frac{4}{5}\%$ excess 18, 8, 6			
43 44 45	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 9b+$ In measuring the sides of a red deficit. Find the error percent (1) $\frac{3}{5}$ % excess (2) $\frac{2}{5}$ % Which of the following does not (1) 34 (2) 8 In a certain code CORDIAL is we (1) NPTDEBZ (2) NPTE	(3) 08 (2) 14 is correct for 5 , $b \le -4$ (3) $b \ge 4$, $b \le -4$ (catangle, one side is taken 5% in excess in area calculated from the measurer excess (3) $\frac{1}{3}$ % excess (3) of fit into the series 258, 130, 66, 34, (3) 66 (4) (4) (7) (14) (15) (15) (15) (15) (15) (15) (15) (15	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment. 4) $\frac{4}{5}$ % excess 18, 8, 6 4) 258 Y written in that code? 4) NPTDZBE			
43 44 45 46	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 9b+$ In measuring the sides of a red deficit. Find the error percent (1) $\frac{3}{5}\%$ excess (2) $\frac{2}{5}\%$ Which of the following does not (1) 34 (2) 8 In a certain code CORDIAL is we (1) NPTDEBZ (2) NPTR To do a certain work B would to	(3) 08 (3) 08 (4) 14 is correct for 15, $b \le -4$ (3) $b \ge 4$, $b \le -4$ (5) $b \ge 4$, $b \le -4$ (6) ctangle, one side is taken 5% in excess in area calculated from the measurer excess (3) $\frac{1}{3}$ % excess (3) of fit into the series 258, 130, 66, 34, (3) 66 (4) (7) (15) (15) (15) (15) (15) (15) (15) (15	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment. 4) $\frac{4}{5}$ % excess 18, 8, 6 4) 258 XY written in that code? 4) NPTDZBE gether and C twice as			
43 44 45 46	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 9b+$ In measuring the sides of a red deficit. Find the error percent (1) $\frac{3}{5}\%$ excess (2) $\frac{2}{5}\%$ Which of the following does not (1) 34 (2) 8 In a certain code CORDIAL is we (1) NPTDEBZ (2) NPTR To do a certain work B would to	(3) 08 (3) 08 (4) 14 is correct for 15, $b \le -4$ (3) $b \ge 4$, $b \le -4$ (5) $b \ge 4$, $b \le -4$ (6) ctangle, one side is taken 5% in excess in area calculated from the measurer excess (3) $\frac{1}{3}$ % excess (3) $\frac{1}{3}$ % excess (4) ot fit into the series 258, 130, 66, 34, (3) 66 (4) (7) (15) (15) (15) (15) (15) (15) (15) (15	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment. 4) $\frac{4}{5}$ % excess 18, 8, 6 4) 258 XY written in that code? 4) NPTDZBE gether and C twice as			
43 44 45 46	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 9b+$ In measuring the sides of a red deficit. Find the error percent (1) $\frac{3}{5}\%$ excess (2) $\frac{2}{5}\%$ Which of the following does not (1) 34 (2) 8 In a certain code CORDIAL is we (1) NPTDEBZ (2) NPTE To do a certain work B would to long as A and B together. The	(3) 08 (3) 08 (4) 14 is correct for 15, $b \le -4$ (3) $b \ge 4$, $b \le -4$ (5) $b \ge 4$, $b \le -4$ (6) ctangle, one side is taken 5% in excess in area calculated from the measurer excess (3) $\frac{1}{3}$ % excess (3) $\frac{1}{3}$ % excess (4) ot fit into the series 258, 130, 66, 34, (3) 66 (4) (7) (15) (15) (15) (15) (15) (15) (15) (15	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment. 4) $\frac{4}{5}$ % excess 18, 8, 6 4) 258 XY written in that code? 4) NPTDZBE gether and C twice as			
43 44 45 46	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 9b+$ In measuring the sides of a red deficit. Find the error percent (1) $\frac{3}{5}$ % excess (2) $\frac{2}{5}$ % (2) $\frac{2}{5}$ % (2) Which of the following does not (1) 34 (2) 8 In a certain code CORDIAL is we (1) NPTDEBZ (2) NPTE To do a certain work B would the long as A and B together. The would each take separately? (1) A = 22, B = 42, C= 32	(3) 08 (3) 08 (4) 14 is correct for 15, $b \le -4$ (3) $b \ge 4$, $b \le -4$ (5) tangle, one side is taken 5% in excess in area calculated from the measurer excess (3) $\frac{1}{3}$ % excess (3) ot fit into the series 258, 130, 66, 34, (3) 66 (4) (2) (4) (5) (5) (5) (6) (6) (7) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment. 4) $\frac{4}{5}$ % excess 18, 8, 6 4) 258 XY written in that code? 4) NPTDZBE gether and C twice as			
43 44 45 46	(1) 06 (2) 00 The inequality of $b^2+8b \ge 9b+$ (1) $b \ge 5$, $b \le -5$ (2) $b \ge 5$ In measuring the sides of a red deficit. Find the error percent (1) $\frac{3}{5}$ % excess (2) $\frac{2}{5}$ % Which of the following does not (1) 34 (2) 8 In a certain code CORDIAL is w (1) NPTDEBZ (2) NPTE To do a certain work B would a long as A and B together. The would each take separately? (1) A = 22, B = 42, C = 32 (3) A = 24, B = 40, C = 30	(3) 08 (3) 08 (4) 14 is correct for 5 , $b \le -4$ (3) $b \ge 4$, $b \le -4$ (5) 5 , $b \le -4$ (5) 5 , 5 , 5 , 5 , 5 , 5 , 5 , 5 ,	4) 40 4) $b \ge 6$, $b \le -6$ 5 and the other 4% in ment. 4) $\frac{4}{5}$ % excess 18, 8, 6 4) 258 XY written in that code? 4) NPTDZBE gether and C twice as			

Test Booklet code- A

49	Find the sum of an AP, Whose first term				
	(1) $\frac{(a+c)(b+c-a)}{(a+c)(b+c-a)}$	(3) $\frac{(a+c)(b+c-2a)}{a}$	(4) $\frac{(a+c)(b+c+a)}{a}$		
50	$(1)\frac{(a+c)(b+c-a)}{b-a} \qquad (2)\frac{(a+c)(b+c-a)}{2(b-a)}$ If cos9A = Sin A and 9A<90°, then the v	2(b-a)	2(b-a)		
50					
	(1) $1/\sqrt{3}$ (2) 1 (1)+(1+2)+(1+2+3)++(1+2+3+4+	(3) √3	(4) 0		
51					
	(1) n(n+1)/2 (2) (n-1)n/2	(3) n²	(4) <u>n(n+1)(2n+4)</u>		
			12		
52	What is the binary number equivalent o		32.25 ?		
	(1) 100010.10 (2) 100000.10	(3) 100010.01	(4)100000.01		
53	In a certain code language 'food is good				
	written as 'sa ta la' and keep good heal	th is written as 'da naja	a'. How is eat written in that		
	language?				
	(1) sa (2) la	(3) sa or la			
54	What is the sum of all two-digit number	s that give a remainde	r of 3 when they are divided		
	by 7?				
	(1) 666 (2) 676	(3) 683	(4) 777		
55	(1) 666 (2) 676 The infinite sum $1+(\frac{4}{7^2})+(\frac{9}{7^3})+(\frac{16}{7^3})+(\frac{25}{7^4})+\cdots$	equals			
	$(1)^{\frac{27}{14}} \qquad (2)^{\frac{21}{12}}$	(3) ⁴⁹	$(4)\frac{256}{147}$		
		27	117		
56	Which set of data has a mean of 15, a ra				
	(1) 14, 22, 15, 15, 9 (2) 25, 15, 14, 3,7	(3) 3, 14, 19, 25, 1	.4 (4) 14, 22, 14, 15, 4		
57	If R= 30 ⁶⁵ - 29 ⁶⁵ then				
	30 ⁶⁴ + 29 ⁶⁴				
	(1) $0 < R \le 0.1$ (2) $0.1 < R \le 0.5$				
58	P, Q, S and R arepoints on the circumfer				
	equilateral triangle and PS is a diameter	of the circle. What is t	the perimeter of the		
	quadrilateral PQSR?	_	_		
	(1) $2r(1+\sqrt{3})$ (2) $2r(2+\sqrt{3})$	(3) $r(2+\sqrt{3})$	(4) 2+√3		
59	In the following question given below, to				
	interchanged. Find out these two signs t	o make the equation of	correct: -		
	15X8÷60-6+25=135				
	(1) – and + (2) – and ÷				
60	If the H.C.F of 200 and 50 can be express				
	(1) 200 (2) -199	(3) 199	(4) 210		
61	In a certain code language:-		_		
	(A) "pit nasom" means "Bring me water"				
	(B) "najotod" means "Water is life"				
	` '	eans "Life and death"			
	Which of the following represents "is" ir		(2) 11		
	(1) jo (2) na	(3) tod	(4) lin		
62	Pointing to Kapil, Shilpa said, "His mothe	er's brother is father of	f my son Ashish. "How is		
	Kapil related to Shilpa?	(2)	(4)		
- 62	(1) son (2) nephew	(3) brother	(4) none of these		
63	An A.P. has 23 terms, the sum of middle	tnree terms is 144, an	id the sum of last three		
	terms is 264. What is the 16 th term?	(2) 60	(4) 00		
C 4	(1) 48 (2) 64	(3) 68	(4) 88		
64	If $32^{x-2} = 64 \div 8^x$, the value of x is:	1			
	$(1)\frac{1}{2}$ $(2)\frac{1}{4}$	$(3)\frac{1}{8}$	(4) 2		
65	Which term of an A.P. 3,15,27,39,	will be 132 more	e than its 54 th term?		
	(1) 61 st (2) 63 rd	(3) 65 th	(4) None of these		

Test Booklet code- A Page **5**of 8

66	10/ of 10/ is agual to				
66	1% of 1% is equal to: (1) 10 ²	- (2) 10 ⁻¹	(3)	10 ⁻²	(4) 10 ⁻⁴
67	+ ` <i>'</i>	. ,	. ,		use is to the south of the school.
07				•	nce of the market from the post
			•		school, in which direction is the
	market with respect		=		is the
	(1) North-west	(2) North-Ea		North	(4) East
68	+ ` <i>'</i>				at intervals of 6,5,7,10 and 12
	_	-			e hour excluding the one at the
	start?		, 3		Ü
	(1) 7	(2) 8	(3)	9	(4) 10
69	A woman says, "If yo	ou reverse my	own age, th	e figure re	present my husband's age. He is,
					ges is one eleventh of their sum.
	The age of woman is	:-			
	(1) 23 years	(2) 35 years	(3)	45 years	(4) none of these
70	How many times in a	day, the two	hands of a cl	ock coincic	le?
	(1) 11	(2) 12	(3)	22	(4) 24
71	The roots of the equa	ation (x $-$ a) (x	(x - b) + (x - b)	(x - c) + (x - c)	(– c) (x – a) = 0 are:-
	(1) positive	(2) negative	(3)	real	(4) imaginary
72	Solve : $\frac{1}{x^2} + \frac{1}{y^2} = \frac{61}{900}$, xy = 30, so	lve for <i>x,</i> give	n <i>x</i> is positi	ive only.
	(1) 5	(2) 6		either 5 or	
73	+ · ·				Six of them share the bill while
, 0					ids 15 paisa less then each of his
	friends, then the tota			ar arp appare	
	(1) Rs. 9	(2) Rs. 6	=	Rs. 15	(4) Rs. 12
74	+ · ·	front and 10	. ,		en every time turning to his left,
				_	ow from his starting point?
	(1) 5m	(2) 10m		15m	(4) 0m
75	If a, aq, aq ² are the	sides of trian	gle, where a	and q are	real numbers and $q \ge 1$, which of
	the following values	of q is not pos	ssible?		
	(1) 1	(2) 2		1.5	(4) none of these
76	I = = = = = = = = = = = = = = = = = = =	_			January, her 26 th birthday. Today
	is 31 st January. What			_	
	(1) 37	(2) 38		39	(4) 43
77		•	•	• •	n of the following cannot be the
	ratio of the broken m				(4) 2 2
70	(1) 2:1	(2) 5:7		5:1	(4) 3:2
78	Which option is place				
		Α	M	В	N
		R	С	S	D
		E	U	F	?
	(1) G	(2) R	(3)	Ţ	(4) V
79	If $x + y + z = 0$ then $\frac{x^2}{y^2}$	$\frac{x^2}{1} + \frac{y^2}{1} + \frac{z^2}{1}$ is	egual to:		
				1	(4) 0
90	(1) 3 The value of : $2^{(m+1)}$	(2) 27	(3) -(m+n) -(n) -	1 1	(4) 0
80	The value of: $2^{(m+1)}$	× 3 ×	5 × 6 × 1	udi tO :	
	6	$^{\rm m)} \times 10^{(n+2)}$	$\times 15^{(m)}$		
				1	, , 1
	(1) 50		(3)	50	$(4)\frac{1}{5}$
81	What is the minimun	n value of sec			
	(1) 1	(2) 2	(3)	0	(4) none of these

Test Booklet code- A Page **6**of 8

82	2π	4π				
02		$\cos \frac{4\pi}{3}$ then the value of		(4) 0		
92	(1) -1	(2) 0	(3) 1	(4) 2		
83	•	53 Sundays in a leap ye	_	(4)2/7		
84	(1) 53/366	(2)53/365	(3)1/7	(4)2/7 relationship among the classes:		
04	Carrot, Food, Vege		tiy illustrates the	relationship among the classes.		
		Cable	00	~ ~		
		(0.0)	49	\odot		
	(a)	(b)	(c)	(d)		
	(1) (a)	(2) (b)	(3) (c)	(4) (d)		
85		- bc + ca), then which c				
0.0	(1) a ≠ b ≠ c	(2) a > b > c	(3) a < b < c	(4) a = b = c		
86	If three equal circle	es of radius 3cm each t	touch each other,	then area of shaded portion is:		
		(()			
	$(1)\frac{\sqrt{3}}{2}(2-\pi)c$	m^2	$(2)\frac{9}{3}(2\sqrt{3}-\pi)$)cm²		
	$(3)\frac{9}{2}(2\sqrt{3}+\pi)$		$(2) \frac{9}{2} (2\sqrt{3} - \pi)$ $(4) \frac{3}{2} (\sqrt{3} - \pi)$	cm ²		
87	There are 50 num	bers. Each number is s	subtracted from 5	3 and the mean of the numbers		
		nd to be -3.5 . The mea				
0.0	(1) 48.9	(2) 49.5	(3) 52.5	(4) 56.5		
88	The mean age of combined group of man and woman is 35 years. If the mean a is 36 years and that of woman is 32 years, then percentage of man and wor					
	group is:-	iat of woman is 32 ye	ears, then percent	age or man and woman in the		
	(1) Men = 75%, Wo	omen = 25%	(2) Men = 70%	, Women = 30%		
	(3) Men = 50%, Wo			, Women = 75%		
89				ased by 10%, then the number is		
	changed by:					
	(1) 2% increase	(2) No change	(3) 1% decreas	se (4) none of these		
90	The equation 3x –	2y = 9 has :				
	(1) one solution	(2) no solution	(3) Infinite solu	, ,		
91	•	•		n with centres on vertices B and		
	D and radius equals to the side of square. Then the area of petal AC is:					
	(1) 12cm ²	(2) 7.76cm ²	(3) 9.12cm ²	(4) 6.4cm ²		
92	· ` '	circle. If $\angle ACB=130^{\circ}$, fi	· · · · · · · · · · · · · · · · · · ·	. ,		
)	(1) 50º	(2) 100º	ilu silialiei aligie 2	AOD:		
	(3) 130º	(4) 110º		•		
	(-,	(- / =				
			A	130° B		
				C		
93	The sum of all two	digit numbers each of		ainder 3 when divided by 5 is:-		
	(1) 952	(2) 999	(3) 1064	(4) 1120		
94	The ratio of volum	e of cube to that of sp	here which exactly	fits inside the cube is:		
	(1) 6:π	(2) π:6	(3) π:12	(4) 12: π		

Test Booklet code- A Page **7**of 8

95	In a dairy, there	e are 60 cows and	buffalos. The number	of cows is twice that of buf	talos.		
	Buffalo X ranked seventeenth in terms of milk delivered. If there are 9 cows ahead of						
	buffalo X, how many buffalos are after buffalo X in rank in terms of milk delivered?						
	(1) 10	(2) 11	(3) 12	(4) 13			
96	$\sqrt{(a-b)^2} + \sqrt{(a-b)^2}$	$\overline{(b-a)^2}$ is:					
	(1) always zero		(2) never zero				
	(3) positive if ar	id only if a>b	(4) positive only if a	éb			
97	Which of the fo	llowing statement	s holds always?				
	(1) Every rectan	gle is a square	(2) Every parallelogr	am is a trapezium			
	(3) Every rhomb	ous is a square	(4) Every parallelogr	am is a rectangle			
98	Lalit takes twic	e as long as to r	ow a distance against	the stream as to row the	same		
	distance in favo	ur of the stream.	The ratio of the speed of	of the boat (in still water) an	d the		
	stream is:						
	(1) 2:1	(2) 3:1	(3) 3:2	(4) 4:3			
99	In a 100m race, A covers the distance in 36 sec. and B in 45 sec. In this race. A beats B by:-						
	(1) 20m	(2) 25m	(3) 22.5m	(4) 9m			
100	In a row of ladio	es Manorma is 20 ^t	th from right and Kanta	is 10 th from left. When they	inter-		
	change their po	ositions Manorma	ı became 25 th from rig	ht. What is the total numb	er of		
	ladies?						
	(1) 35	(2) 34	(3) 44	(4) 30			

Test Booklet code- A Page **8**of 8