Grand Test – NIACL/DCCB-190110



NIACL/DCCB Preliminary Grand Test –NIACL/DCCB-190110

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ANSWER KEY							
	1.(3)	21.(1)	41.(1)	61.(1)	81.(3)		
2	2.(1)	22.(2)	42.(2)	62.(2)	82.(5)		
3	3. (4)	23.(3)	43.(3)	63.(3)	83.(2)		
4	4.(2)	24.(2)	44.(4)	64.(1)	84.(1)		
Ę	5. (2)	25.(1)	45.(1)	65.(2)	85.(4)		
	6.(2)	26.(4)	46.(3)	66.(4)	86. (4)		
7	7.(2)	27.(3)	47.(4)	67.(3)	87. (2)		
8	3. (3)	28.(5)	48.(1)	68.(5)	88. (1)		
9	ə. (2)	29.(4)	49.(1)	69.(1)	89. (3)		
1	.0.(4)	30.(5)	50.(2)	70.(2)	90. (4)	C	
1	.1.(5)	31.(3)	51. (1)	71.(2)	91. (2)	τ.	
1	.2.(4)	32.(5)	52. (2)	72.(1)	92. (4)		
1	.3.(1)	33.(4)	53. (3)	73.(4)	93. (2)		
1	.4.(3)	34.(1)	54. (4)	74.(3)	94. (1)	1	
1	.5.(2)	35.(2)	55. (1)	75.(5)	95. (2)		
1	.6.(3)	36.(4)	56. (3)	76. (2)	96.(1)		
1	.7.(1)	37.(5)	57. (5)	77. (3)	97.(3)		
1	.8.(4)	38.(2)	58. (1)	78. (1)	98.(3)		
1	.9.(2)	39.(5)	69. (2)	79. (4)	99.(1)	A	
2	20.(5)	40.(3)	60. (3)	80. (5)	100.(2)		

HINTS & SOLUTIONS

- 1.(3) They are wary of cumber-some police formalities and legal systems
- 2.(1) Manmade disasters occur more frequently than natural disasters.
- The government is apathetic and has not managed to 3. (4) handle disasters effectively
- 4.(2) Lack of disaster management training for medical staff
- 5.(2) Their working together to manage disasters completely keeping public interests in mind
- 6.(2) Both (B) and (C)
- The meaning of the word Infringe (Verb) as used in the 7.(2) passage is : to break a law or rule: to limit somebody's legal rights.

Look at the sentences :

The material can be copied without infringing copyright. She refused to answer questions that infringed on her private affairs.

Of the given alternative, the word Violate means : to against or refuse to obey a law, an agreement etc; to disturb or not respect somebody's peace or privacy. Hence, the words infringing and violating are synonymous.

8. (3)	The meaning of the word Frequency (Noun) as used in
- (-)	the passage is : the rate at which something happens or
	is repeated.
	Look at the sentences :
	Fatal road accidents have decreased in frequency over
	recent years.
	Objects like this turn up at sales with surprising frequency. The word Recurrence (Noun) means : if there is a
	recurrence of something, it happens again.
	Look at the sentences :
	Attempts are being made to prevent a recurrence of the
	problem.
	Hence, the words frequency and recurrence are
0 (2)	synonymous.
9. (2)	The meaning of the word Lethargic (Adjective) as used
5 a -	in the passage is : the state of not having any energy or enthusiasm for doing things; inactive; inertial.
24/	Look at the sentences :
	The weather made him lethargic.
	Hence, the words lethargic and active are antonymous.
10. (4)	The meaning of the word Dismal (Adjective) as used in
	the passage is : causing or showing sadness, gloomy,
	miserable; not skilful or successful.
· //	Look at the sentences :
	The recent attempt to increase production has been a dismal failure.
	The singer gave a dismal performance of old songs.
	The word Animated (Adjective) means : full of interest
	and energy: lively.
	Hence, the words dismal and animated are antonymous.
11. (5)	12. (4)
13. (1) 15. (2)	14. (3)
16. (3)	What makes him feelwill be the correct sentence.
17. (1)	This is exactly how he wanted me will be the correct
- 2	sentence as the way of doing work has been asked.
18. (4)	if we could extend
19. (2)	In Indirect Speech, if the Reporting Verb is in Past Tense,
	the Reported Speech is also expressed In Past Tense.
	Hence, the Minister said that he was proud of will
20. (5)	be a correct sentence. No correction required
20. (3) 21. (1)	22. (2)
23. (3)	24. (2)
25. (1)	
26. (4)	The subject of the sentence 'these companies' is Plural.
	Hence, 'its board members' should be replaced by 'their
27 (2)	board members'.
27. (3)	The subject of the sentence is 'the scheme' that is Singular and it will take Singular Verb. Hence, 'require an
	additional investment' should be replaced by 'requires
	an additional investment'.
28. (5)	No error
29. (4)	Replace 'and supervise the new staff by 'and supervising
	the new staff as word 'arranging' (Present Participle) has
	been used before connective 'and'.
30. (5)	No error

- 31. (3) The given number series is based on the following pattern:

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	$20 + 2^2 = 24$ $24 + 3^2 = 33$		Number of boys in the school = $3500 \times \frac{60}{100} = 2100$
	$33 + 4^2 = 49$ $49 + 5^2 = 74$		Number of boys in the school $=$ $\frac{3500 \times 60}{100} = 2100$
	49 + 5 = 74 $74 + 6^{2} = 110$ $\therefore 2 = 110 + 7^{2}$	39. (5)	••• Required ratio = 2100 : 1400 = 3 : 2 Let Mr. Mehta's present income be Rs. x From statement I and II,
32. (5)	= $110 + 49 = 159$ The given number series is based on the following		10% of x = 2500 \implies x $\times \frac{10}{100} = 2500$
	pattern : 529 = 23 × 23 841 = 29 × 29	40. (3)	$\Rightarrow x = 2500 \times 10 = \text{Rs. } 25000$ From statement I, Distance covered 80
	961 = 31 × 31 1369 = 37 × 37		Speed of the bus = $\frac{\text{Distance covered}}{\text{Time Taken}} = \frac{80}{5} = 16 \text{ kmph}$ As per the information in statement II, the speed of the
	1681 = 41 × 41 1849 = 43 × 43	41. (1)	bus can also be determined. Required average
	\therefore ? = 47 × 47 = 2209 Here, the numbers are formed by squaring the prime	D.A.	$= \frac{1}{6} (800 + 810 + 920 + 930 + 950 + 970)$
33. (4)	numbers greater than 23. The given number series is based on the following pattern :	DAI	$=\frac{1}{6} \times 5380 = 896\frac{2}{3} = 897$
	$16 \times 1.5 = 24$ 24 × 2 = 48	42.(2)	Total number of students: City Q \Rightarrow 390 + 570 + 930 + 220 + 810 = 2920
	48 × 2.5 = 120 120 × 3 = 360	43. (3)	City S \implies 780 + 980 + 1100 + 280 + 930 = 4070 Required difference = 4070 - 2920 = 1150 Number of students in Medical Science in cities R and S =
	$360 \times 3.5 = 1260$ \therefore ? = 1260 \times 4 = 5040		680 + 980 = 1660 Number of students in Polytechnic in cities P and S = 900
34. (1)	The given number series is based on the following pattern: 8 \times 4 -1 = 32 - 1= 31	C	+ 1100 = 2000 Difference = 2000 - 1660 = 340 340
	$31 \times 4 - 2 = 124 - 2 = 122$ $122 \times 4 - 3 = 488 - 3 = 485$ $485 \times 4 - 4 = 1940 - 4 = 1936$	44. (4)	Required percent = $\frac{340}{2000} \times 100 = 17\%$ Required ratio = 650 : 260 = 5 : 2
	$1936 \times 4 - 5 = 7744 - 5 = 7739$ $\therefore ? = 7739 \times 4 - 6 = 30956 - 6 = 30950$	45. (1)	Required percent $=\frac{280-200}{200} \times 100 = \frac{8000}{200} = 40\%$
35. (2)	The given number series is based on the following pattern: $499 + 1 \times 123 = 622$	46. (3)	Total number of passed students in 2005 = 76 + 77 + 91 + 91 + 72 + 80 = 396
	622 + 2 × 123 = 868 868 + 3 × 123 = 1237		Total number of failed students in $2005 = 12 + 10 + 7 + 15 + 4 = 48$ \therefore Required ratio = 396 : 48 = 33 : 4
	1237 + 4 × 123 = 1729 1729 + 5 × 123 = 2344	47. (4)	Total number of passed students in class X over the years
36. (4) 37. (5)	\therefore ? = 2344 + 6 \times 123 = 2344 + 738 = 3082 The given data are inadequate.		= 75 + 91 + 80 + 78 + 66 + 59 = 449 Total number of failed students in class X over the years = 13 + 6 + 4 + 12 + 9 + 14 = 58
	From statement II, If the age of Rani = x years, then Surekha's age = 2x years		\therefore Total number of students = 449 + 58 = 507
	$\therefore x + 2x = 72$	48.(1)	\therefore Required percentage = $\frac{449}{507} \times 100 = 88.56$ Total number of passed students for all the classes in the
	$\Rightarrow 3x = 72 \text{ years} \Rightarrow x = \frac{72}{3} = 24 \text{ years}$ Rani's age = 24 years	49.(1)	year 2007 = 69 + 80 + 76 + 78 + 66 = 369 Average number of failed students from Class VI for the given years
20 (2)	As per the given information in statement I, Nidhi's age can be determined.		$=\frac{6+9+12+10+7+4}{6}=\frac{48}{6}=6$
38. (2)	Statement I is superfluous. From statement II,	50. (2)	Number of failed students over the years : Class VI \rightarrow 6 + 9 + 12 + 10 + 7 + 4 = 48 Class VII \rightarrow 9 + 9 + 10 + 12 + 13 + 15 = 68
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Class VIII \rightarrow 10 + 4 + 7 + 7 + 3 + 8 = 39 Class $|X \rightarrow 10 + 11 + 15 + 13 + 8 + 6 = 63$ Hence, Class VII has the maximum number of failed students. 51. (1) Number of research journals published by publisher D $=18400 \times \frac{16}{100}$ Research papers $\Rightarrow 28600 \times \frac{16}{100}$... Required ratio $=18400 \times \frac{16}{100}$: 28600 $\times \frac{16}{100}$ = 92 : 143 Required answe 52.(2) $=18400 \times \frac{22}{100} + 28600 \times \frac{13}{100}$ = 4048 + 3718 = 7766 53.(3) **Required percentage** $=\frac{18-8}{8}\times100=\frac{1000}{8}=125\%$ Research papers published by A, C and F = (15 + 20 + 18) % of 28600 54. (4) $=\frac{28600\times53}{100}=15158$ Research journals published by A, C and F = (12 + 22 + 14) % of 18400 $=18400 \times \frac{48}{100} = 8832$ Required difference = 15158 - 8832 = 6326 :: 100% = 360° 55.(1) $\therefore 1\% = \frac{360}{100} = 3.6$ $\therefore 15\% = 3.6 \times 15 = 54^{\circ}$ Average of 8 consecutive odd numbers = 56. (3) : Fourth number = 82 - 1 = 81 : First numbers = 75 Average of 4 even numbers = 87 \therefore Second even number = 87 - 1 = 86 Second largest even number = 88 :. Required sum = 75 + 88 = 163 First S.P. = $\frac{9600 \times 95}{100}$ = Rs.9120 57.(5) Second S.P.= $\frac{9120 \text{ x } 105}{100}$ = Rs.9576 Loss = 9600 - 9576 = Rs. 24 58. (1) Rate downstream of boat = 17.5 + 2.5 = 20 kmph Rate upstream of boat = 17.5 - 2.5 = 15 kmph Distance XY = x km. \therefore Distance YZ = $\frac{2x}{5}$ km. Total time = 429 minutes = $7\frac{3}{20}$ hours = $\frac{143}{20}$ hours

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	$\Rightarrow \frac{86 \times 18}{18} \times \sqrt{2} = 1720$ $\Rightarrow \sqrt{?} = 1720 \div 86 = 20$ $\therefore ? = 20 \times 20 = 400$			R I G H T G	Row - 2	L E F I H T		
65. (2) 66-70.	$? = (340 \times 10) \div 6.4 + 1245 = 53$ (i) P @ Q \Rightarrow P > Q \Rightarrow P < Q (ii) P & Q \Rightarrow P < Q \Rightarrow P < Q			L E F T	Row - 1	W V R I G H T		
	(iii) $P \otimes Q \Rightarrow P > Q; P < Q \rightleftharpoons P =$ (iv) $P \star Q \Rightarrow P \leq P \Rightarrow P < Q$ (v) $P \# Q \Rightarrow P \leq Q \Rightarrow P > Q$ (d) $\Rightarrow \leq \delta \Rightarrow \geq 0 \Rightarrow =$	Q	71. (2) 72. (1) 73. (4)	rows. G is sitting W is facing	third to the I.	-		
66. (4)	$\begin{array}{c c} \hline & \\ \hline & \\ \hline & \\ \hline & \\ R & \\ W \\ \hline \\ & \\ R & \\ W \\ \hline \\ & \\ R & \\ W \\ \hline \\ \hline & \\ R & \\ W \\ \hline \\ & \\ R & \\ W \\ \hline \\ \hline \\ R & \\ W \\ \hline \\ \hline \\ R & \\ W \\ \hline \\ \\ R & \\ W \\ \\ \\ \\ R & \\ W \\ \\ \\ \\ \\ W \\ \\ \\ \\ W \\ \\ \\ \\ \\ W \\ \\ \\ \\ W \\ \\ \\ \\ W \\ \\ \\ \\ \\ W \\ \\ \\ \\ \\ \\ \\ W \\$		74. (3) 75. (5) 76 – 80.	W is sitting between T and V. W is sitting second from the right end. F and I are immediate neighbours of E. All the statements are true.				
	$K \star M \Longrightarrow K < M$	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70 00.	Friend	Bank	Post		
	Therefore,		_	A	S	Forex Officer		
	$R = W \leq K < M$	OF	BA.	В	м	Agriculture Officer		
	Conclusions I. W # M \Rightarrow W > M : Not True		11/	с	N	Economist		
	I. W # M \rightarrow W > M : Not True II.R % M \rightarrow R = M : Not True	ANN OF		D	L	Terminal Operator		
67. (3)	$H \star N \Longrightarrow H < N$			E	R	IT Officer		
07.(5)	$N@K \Rightarrow N \leq K$	F/ //	1	F &	Q	Clerk		
	$K \# D \Longrightarrow K > D$	2/ / \$		G	P	Research Analyst		
	Therefore,		76. (2)	B works as	an Agricultu	,		
	H < N ≤ K > D		77.(3)	C is an Eco	nomist			
	Conclusions 78.(1)				B works for bank M.			
	I. D # N \Rightarrow D > N : Not true		79. (4) 80.(5)	A works for bank S and he is a Forex Officer. None is true.				
68. (5)	II. H δ K \implies H ≥ K : Not true D @ T \implies D ≤ T		81.(1)	none o u u	C.			
08. (5)	T%H⇒T=H				\frown			
	$H \star Q \Rightarrow H < Q$			Mangoes	Bananas	Apple)		
	Therefore, $D \leq T = H < Q$ Conclusions							
				Therefore	·S.			
	I. I ★Q → I < Q : Irue		-82. (5)					
	II. D % H \Rightarrow D = H : Not true			\frown		Buses		
69. (1)	$M \# R \Longrightarrow M > R$				\setminus			
	$ \begin{array}{c} R\deltaT \stackrel{\Longrightarrow}{\longrightarrow} R \stackrel{\geq}{=} T \\ T@P \stackrel{\Longrightarrow}{\longrightarrow} T \stackrel{\leq}{=} P \end{array} $			Train	\rightarrow (Aeroplane)			
	$T @ P \rightarrow T \rightarrow P$ Therefore,							
	$M > R \ge T \le P$							
	Conclusions			I) ×	II)			
	I. R % P ⇒ R = P : Not true		83. (2)	Therefore	only II follov	vs.		
	II. T ★M ⇒ T < M : True		05.(2)	\frown				
70. (2)	wδQ⇒w≥Q			Elephants	Hor	rses () Asses		
	$Q \# P \xrightarrow{\rightarrow} Q > P$			Liopitality Horses Asses				
	$P @ R \implies P \leq R$ Therefore,			I) ×	II)	\checkmark		
	$W \ge Q > P \le R$,	only II follov			
	Conclusions 84. (4)							
	I. Q % R \Longrightarrow Q = R : Not True							
	II. W # P \Rightarrow W > P : True							
71 – 75.								
			4					

