Grand Test – NIACL/DCCB-190107



NIACL/DCCB Preliminary Grand Test –NIACL/DCCB-190107

ANSWER KEY					
1.(3)	21.(4)	41.(2)	61.(3)	81.(3)	
2.(1)	22.(2)	42.(3)	62.(5)	82.(4)	
3. (3)	23.(4)	43.(1)	63.(2)	83.(2)	
4. (4)	24.(5)	44.(5)	64.(5)	84.(5)	
5.(1)	25.(5)	45.(4)	65.(3)	85.(3)	
6.(4)	26.(4)	46.(1)	66.(1)	86.(2)	
7.(3)	27.(5)	47.(2)	67.(3)	87.(3)	
8.(1)	28.(3)	48.(4)	68.(3)	88.(1)	
9.(3)	29.(1)	49.(3)	69.(4)	89.(5)	Ξ
10.(2)	30.(2)	50.(2)	70.(5)	90.(1)	C
11.(4)	31.(2)	51.(5)	71.(2)	91.(2)	T
12.(2)	32.(3)	52.(4)	72.(1)	92.(2)	
13.(1)	33.(4)	53.(2)	73.(4)	93.(2)	
14.(5)	34.(1)	54.(1)	74.(4)	94.(1)	Ì
15.(3)	35.(5)	55.(2)	75.(4)	95.(4)	
16.(1)	36.(4)	56.(5)	76.(4)	96.(2)	
17.(1)	37.(1)	57.(1)	77.(2)	97.(1)	
18.(2)	38.(4)	58.(5)	78.(2)	98.(2)	
19.(1)	39.(3)	59.(1)	79.(3)	99.(4)	Z
20.(2)	40.(2)	60.(4)	80.(5)	100.(5)	

HINTS & SOLUTIONS

- 1. (3) High dependence of many on forests
- 2. (1) More landless women
- 3. (3) Benefitting without self interest
- 4. (4) Top-down approach to Community forestry
- 5. (1) Dependence forces them to extract and also have concern for conservation
- 6. (4) Are able to meet conservation objectives as well as their own interest
- 7. (3) Children become more aware about conservation
- 8. (1) The meaning of the word Control (Verb) as used in the passage is : to have power over a person etc; to limit something; to manage to make yourself remain calm; to stop something from getting worst or spreading.
 Look at the sentence:

Fire fighters are still trying to control the blaze. Hence, the synonym of **controlling** should be **holding in check.**

9.(3) The meaning of the word **Paradox (Noun)** as used in the passage is : a person, thing or situation that has two opposite features and therefore seems strange; a statement containing two opposite ideas. Its synonym should be **anomaly**.

10. (2) The meaning of the word Acute (Adjective) as used in the passage is: very serious or severe.
 Look at the sentence:

There is an acute shortage of water.

- 11. (4) 12. (2)
- 13.(1) 14.(5)
- 15. (3)

19.(1)

16. (1) Quintessentially (Adverb) = most importantly

18. (2)

- 17.(1)
- 20. (2) **plug (Verb) =** to provide something that has been missing from a particular situation and is needed in order to improve it.
- 21. (4) Idiom **at loose ends** means: having nothing to do and not knowing what you want to do.
- 22. (2) Here, was the one that should be used. Relative pronoun who is used to show which person or people you mean.
- 23. (4) in the way of
- 24. (5) No correction required
- 25. (5) No correction required
- 26. (4) (A) and (B) only
- 27. (5) Either C and (A) or (C) and (B)
- 28. (3) (B) and (C) only
- 29. (1) (C) and (A) only 30. (2) (B) and (A) only
- бо. (Z) (В) ани (A) онну

31. (2)

$$CI. = P\left[\left(1 + \frac{R}{100}\right)^{4} - 1\right]$$
$$\Rightarrow 1414.4 = P\left[\left(1 + \frac{8}{100}\right)^{2} - 1\right]$$
$$\Rightarrow 1414.4 = P \times 0.1664$$
$$\Rightarrow P = \frac{1414.4}{0.1664} = Rs.8500$$

·· Amount = Rs. (8500 + 1414.4) = Rs. 9914.4

32. (3) Let the ages of the mother and daughter be 7x and x years respectively.

$$\therefore$$
 Four years ago, $\frac{7x-4}{x-4} = \frac{19}{1}$

$$\Rightarrow 19x - 76 = 7x - 4$$

$$\Rightarrow 12x = 72 = x = 6$$

 \therefore Mother's age after four years = 7x + 4 = 7 \times 6 + 4 = 46 years

33. (4) Quicker Approach Required time = LCM of 12, 18 and 20 seconds. 180 seconds = 3 minutes

34. (1) Quicker Approach $4 \times 2 \text{ men} = 4 \times 4 \text{ women} = 20 \text{ children}$ $\Rightarrow 2 \text{ men} = 4 \text{ women} = 5 \text{ children}$ $\therefore 2 \text{ men} + 4 \text{ women} + 10 \text{ children} = 20 \text{ children}$ $\therefore M_1 D_1 = M_2 D_2$

$$\Rightarrow 5 \times 4 = 20 \times D_2 \Rightarrow D_2 = 1 \text{day}$$

ACE Grand Test – NIACL/DCCB-190107 Required percentage = $\frac{44}{176} \times 100 = 25$ 35. (5) Quicker Approach 43.(1) Speed of the boat in still water 44.(5) Required difference = 146 - 80 = 66 (Rate down stream + Rate upstream) 45.(4) There are maximum female players in cricket (60) and minimum male players in tennis (58). 46.(1) Required average monthly salary (32 + 28) = 30 kmph 15000 + 15000 + 30000= Rs. 20000 36. (4) The series is based on the following pattern : 3 $11 = 2 \times 3 + 5$ 47.(2) Total monthly salary of all the five persons in 2008 = Rs. 38 = 11 × 4 - 6 75 thousand 197 = 38 × 5 + 7 Arvind's total monthly salary = Rs. 45 thousand $1172 \neq 197 \times 6 - 8$ Required percentage = $\frac{45}{75} \times 100 = 60\%$ $\cdot\cdot$ 1172 is wrong and it should be replaced by 197 × 6 - 8 = 1174 48.(4) Earning of each one over all the years : 37. (1) The series is based on the following pattern : Sumit = Rs. 60 thousand $107 - 71 = 36 = 6^2$ Anil = Rs. 40 thousand $71 - 46 = 25 = 5^2$ Jyoti = Rs. 75 thousand $46 - 30 = 16 = 4^2$ Arvind = Rs. 45 thousand $30 - 21 = 9 = 3^2$ Poonam = Rs. 60 thousand 49. (3) Required percentage $21 - 19 = 2 \neq 2^2$ $\frac{25-20}{25-20} \times 100 = 20\%$ \therefore 19 should be replaced by 17 for which 21 - 17 25 The series is based on the following pattern 38. (4) 50.(2) After an increase of 30% Jyoti's salary in 2010 16 = 9 + 725 = 16 + 930×130 = Rs. 39 thousand 41 = 16 + 25 100 68 ≠ 25 + 41 $l. \Rightarrow p^2 + 3p + 2p + 6 = 0$ 51. (5) The series is based on the following pattern: 39. (3) \Rightarrow (p + 3) +2 (p + 3) = 0 3.5 7.5 26.25 118.125⇒ (p + 3)(p + 2) = 0 \Rightarrow p = 2 or-3 ⇒ a² +q+2q+2=0Obviously, 3.5 is the wrong number which should be q(q + 1) + 2(q + 1) = 0replaced by 3. 芦 (q + 1)(q + 2) = 0 The series is based on the following pattern: 40. (2) \Rightarrow q = -1 or - 2 1.875 16 Obviously $p \leq q$ 52. (4) $I. \Rightarrow p = \pm 2$ ×0.25 ×0.50 II. \Rightarrow q² + 2q + 2q + 4 = 0 Obviously, 1.75 is the wrong number which should be \Rightarrow q(q + 2) + 2 (q + 2) = 0 replaced by 1.5. \Rightarrow (q + 2) (q + 2) =0 41-45. Number of female players = 200 \Rightarrow q = - 2 Number of male players = 600 Obviously, $p \ge q$ Total number of cricketers $= 800 \times \frac{1}{4} = 200$ $l. \Rightarrow p^2 + p - 56 = 0$ 53.(2) Female cricketers = 60 \Rightarrow p² + 8p - 7p - 56 = 0 Male cricketers = 140 \Rightarrow p(p + 8) - 7 (p + 8) = 0 Male badminton players = 110 - 30 = 80Total tennis players = 80 \Rightarrow (p + 8) (p - 7) = 0 Total hockey players = 220 \Rightarrow p = 7 or - 8 Female tennis players = 22 II. \Rightarrow q² - 8q - 9q + 72 = 0 Male tennis players = 80 - 22 = 58 \Rightarrow q (q - 8) - 9 (q - 8) = 0 Total baseball players = 190 \Rightarrow (q - 8) (q - 9) = 0 Female baseball players = 44 \Rightarrow q = 8 or 9 Female hockey players = 44 Male hockey players = 220 - 44 = 176 Obviously, p < q 54.(1) We have, Male baseball players = 146 3p + 2q = 5841.(2) Required ratio = 44 : 80 = 11 : 20(i) 42. (3) Total number of males in hockey, cricket and baseball 4p + 4q = 92 $\Rightarrow 2p + 2q = 46$(ii) = 176 + 140 + 146 = 462

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$$\begin{array}{c} y(0, -(0) \ we get \\ p \le 2 \\ z \ge q = -36 = 26 \\ z \ge 2 \\ z \ge q = -16 = 26 \\ z \ge q = -16 = 26 \\ z \ge q = -16 \\ (p \le 51) = 2p + 10 = 0 \\ z \ge (p \ge 51) = 2p + 10 = 0 \\ z \ge (p \ge 51) =$$



