



PLOT NO.2, SSI INDUSTRIAL AREA, G.T. KARNAL ROAD, JAHANGIRPURI, DELHI

Gangopadhyay wrote his first novel, Athmo Prakash (Self-Revelation). Two of the most critically acclaimed films of legendary filmmaker Satyajit Ray - Pratidwandi and Aranyer Din Ratri - were based on novels written by him.

- 76. (A) Rabindranath Tagore was Asia's first Nobel Prize winner. He was awarded the Nobel prize for literature in 1913 for his book Gitanjali.
- 77. (B) Galaxy NGC 1277 is a small, flattened galaxy that contains one of the most massive central black holes ever found. At 17 billion solar masses, the black hole weighs an extraordinary 14% of the total galaxy mass.
- 78. (C) National energy conservation day is celebrated every year all over the India on 14th of December.
- 79. (D) The temperature range of a mercury thermometer depends on its design, but the absolute limits would be from approximately -39 to +357 degrees centigrade, which are the melting and boiling points of mercury.
- 80. (B) Haryana Government has launched a Scheme titled "Mahatma Gandhi Gramin Basti Yojna" on 2nd October, 2008 to allot free 100 sq. yards residential plots to the eligible BPL families, Scheduled Castes' families, Backward Classes (Category A) families in all the villages of the State.
- 82. (A) Iltutmish, the Sultan of Delhi, was contemporary of Mongol leader Chengiz Khan. In 1221 A.D, there was a danger of expected attack of Chengiz Khan on Delhi.
- 86. (B) Hooke's Law states that the restoring force of a spring is directly proportional to a small displacement.
 F = k.x
- 87. (B) Parshvanath was the twenty third Jain Tirthankar. He was a kshatriya and son of Ashvasena, king of Banaras (Varanasi).
- 88. (B) Aurangzeb stopped the engraving of Kalma on coins, forbade the Parsis to celebrate their festival Navroz, released an order to ban the music everywhere and arrest those who listen to the music. He reintroduced Jizya.
- 89. (A) Methanol (CH_3OH) is also known as Wood Alcohol. It is a solvent in many chemical processes and is a component of automobile antifreeze.

92. (D) India Innovation Summit by the Confederation of Indian Industry (CII) will be held in Bengaluru. Theme: "India.AI - Driving the Future for the World", will address the aspects of impact of AI on farming, healthcare, automobiles and job creation, among others.

95. (B) Tritium, ³₁H Protons = 1 Neutrons = 3 - 1 = 2 99. (D)Union Minister of Coal, Railways, Finance & Corporate Affairs, Piyush Goyal launched the Coal Mine Surveillance & Management System (CMSMS) and Mobile Application 'Khan Prahari' at New Delhi.

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101. (C) Let the total votes be N

3

$$75\% = \frac{1}{4}, 2\% = \frac{1}{50}$$
$$N \times \left(\frac{3}{4}\right) \times \left(\frac{49}{50}\right) \times \left(\frac{3}{4}\right) = 9261$$
$$N = \left(21 \times 21 \times 21\right)$$

$$\Rightarrow N = \frac{(21 \times 21 \times 21)}{3 \times 7 \times 7 \times 3} \times 16 \times 50$$

N = 16800

102. (D) Quantity of milk in the last

$$= 81\left(1-\frac{27}{81}\right)^2 = 81\left(1-\frac{1}{3}\right)^2$$

$$= 81 \times \frac{2}{3} \times \frac{2}{3} = 36$$

Quantity of water in the last = 81 - 36 = 45

Ratio =
$$\frac{36}{45} = \frac{4}{5} = 4:5$$

103. (C) LCM of 4, 5, 6, 7 and 8 = 840 Let required number be 840 K + 2 which is multiple of 13.
∴ Required number = 840 × 3 + 2

$$= 340 \times 3 \pm 2$$

= 2520 + 2 = 2522

- 104. (B) If a + b + c = 0, then $a^3 + b^3 + c^3 = 3abc$ Here, 0.111 + 0.222 + (-0.333) = 0
 - $= -3 \times 0.111 \times 0.222 \times 0.333$ $= -(0.333)^2 \times 0.222$

$$= -(0.333)^2 \times 0.$$

∴ Expression = [-(0.333)² × 0.222 + (0.333)² × 0.222]³ = 0

105. (B) $\angle OCX = 45^{\circ}$ (ABCD is a square & AC bisects $\angle BCD$) $\angle COD + \angle COX = 180^{\circ}$ $\Rightarrow \angle COX = 180^{\circ} - \angle COD = 180^{\circ} - 105^{\circ} = 75^{\circ}$ In $\triangle OCX$

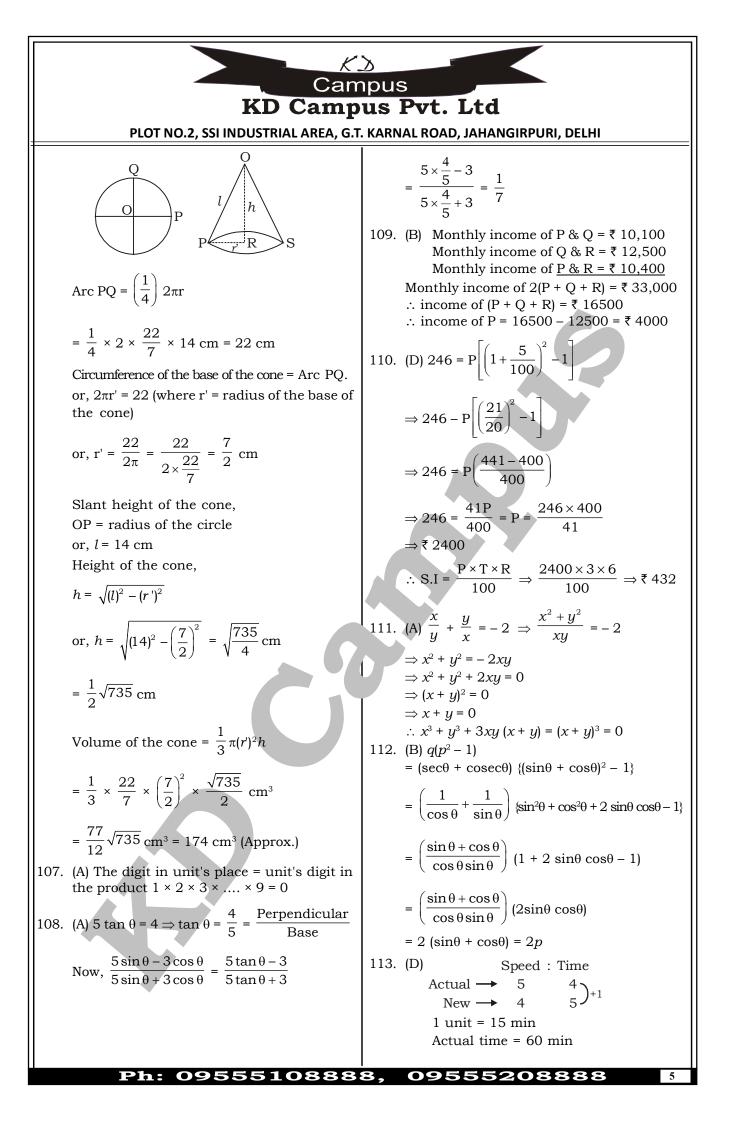
$$\angle OCX + \angle COX + \angle OXC = 180$$

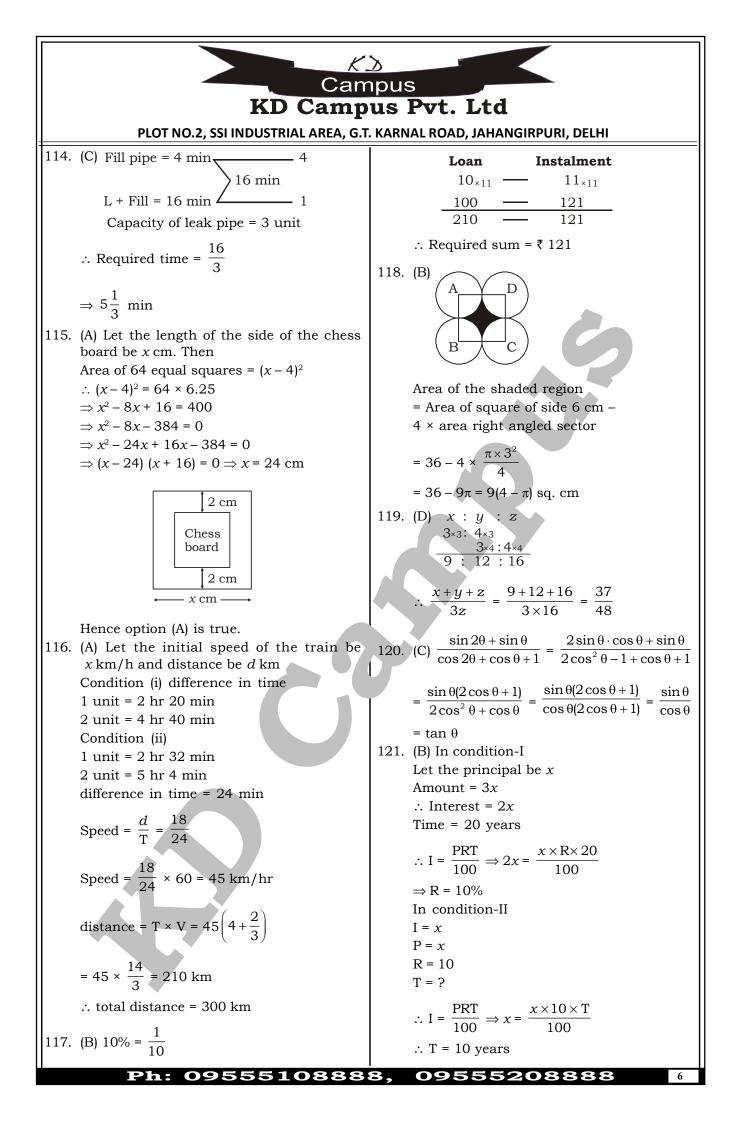
$$\Rightarrow 45^{\circ} + 75^{\circ} + 20XC = 180^{\circ}$$
$$\Rightarrow 20XC = 180^{\circ} - 120^{\circ} = 60^{\circ}$$

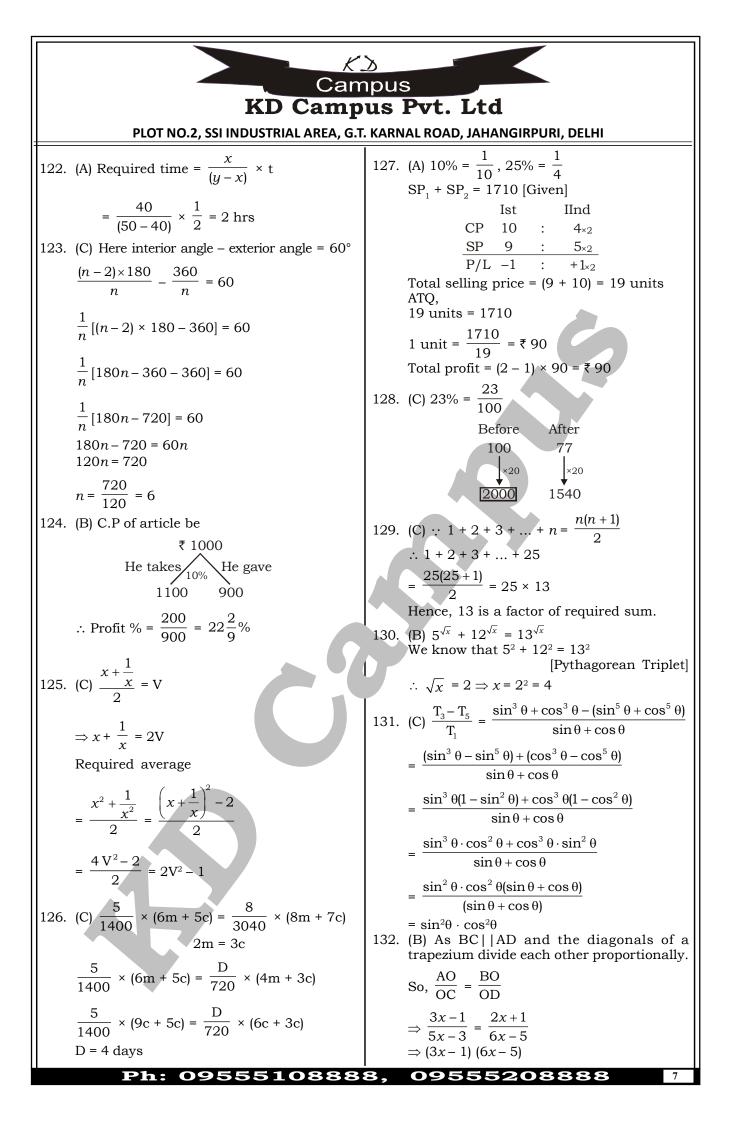
$$\Rightarrow 2010^{\circ}$$
 100

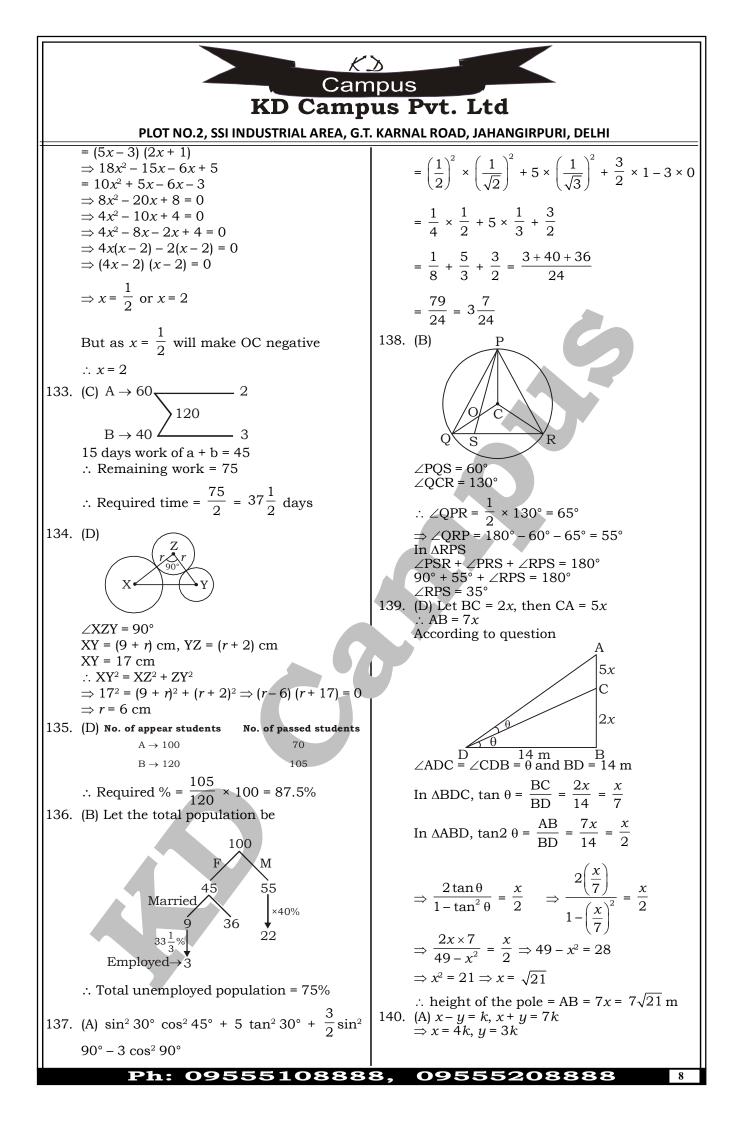
106. (B) The quadrant POQ of the circle is folded in such a way that the arc PQ form the base of the cone. Radii OP and OQ form slant height of the cone and they wil coincide.

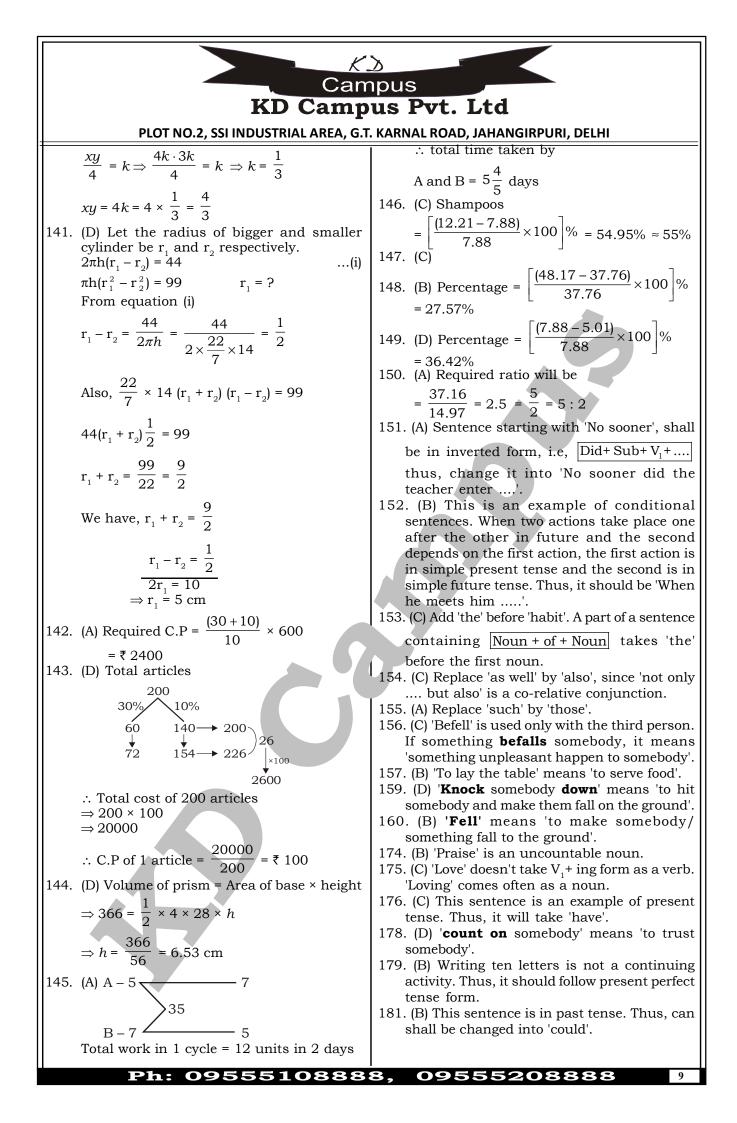
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MEANINGS IN ALPHABETICAL ORDER

Word

Meaning in English

Meaning in Hindi

word	Meaning in English	Meaning in Hindi	
Acoustics	Of or relating to sound	ध्वनि संबंधित	
Annihilation	the complete destruction	विनाश, प्रलय	
Brink	almost in a very new, dangerous or exciting situation	कगार, किनारा	
(of something)			
Bucolic	of or relating to the pleasant aspects of the countryside and country life.	ग्रामीण, गाँव से संबंधित	
Calumny	a false accusation of an offense or a malicious	मिथ्या आरोप	
J	misrepresentation of someone's words or actions		
Catastrophe	an event causing great and often sudden damage or suffering; a disaster.	तबाही, आपदा	
Catharsis	The act of purging of emotional tensions	भावनात्मक क्रोध के मुक्ति	
		की अभिव्यक्ति	
Confrontation	a hostile or argumentative meeting or situation between opposing parties.	मतभेद, विवाद	
Designate	Chosen for a particular job	मनोनीत करना	
Despicable	deserving hatred and contempt	घृणा के योग्य	
Emigration	the act of leaving your own country to go and live	अपने देश से दूसरे देश में	
	permanently in another country	स्थायी रूप से बसना	
Endurance	the fact or power of enduring an unpleasant or difficult process or situation without giving way.	सहनशीलता	
Enigma	a person or thing that is mysterious, puzzling, or difficult to understand.	रहस्य, पहेली	
Exodus	a mass departure of people, especially emigrants	एक बड़ी भीड़ का कहीं से कूच करना	
Extremity	the extreme degree or nature of something	चरम सीमा	
Extricate	To free or remove (someone or something) from something	छुड़ाना, मुक्त करना	
	(such as a trap, accusation or a difficult situation)	3. 7 . 3	
Extrinsic	not part of the essential nature of someone or something	अनावश्यक	
Extrovert	an outgoing, overtly expressive person	बर्हिमुखी इंसान	
Extrovert	an outgoing, overtly expressive person	बर्हिमुखी इंसान	
Foreordain	(of God) destine (someone) for a particular fate or purpose	नियति बनाना	
Foresight	the ability to predict or the action of predicting what	दूरदर्शिता	
	will happen or be needed in the future.	_ ప	
Implicate	To show that someone or something is closely connected to or involved in something (such as a crime)	फसाना	
Incalculable	too great to be calculated or estimated.	बेहिसाब	
Inevitable	certain to happen; unavoidable	अवश्यंभावी, जिसे टाला ना जा सके	
Inhibit	hinder, restrain, or prevent (an action or process).	रोकना	
Irrepressible	not able to be controlled or restrained.	अदम्य, जिसे रोका नहीं जा सके	
Migration	movement from one part of something to another	स्थानांतरण	
Mortgaging	To put somthing at risk	जोखिम में डालना	
Nemesis	punishment or defeat that is deserved and cannot be avoided	दण्ड, सजा	
Obituary	a notice of a death, especially in a newspaper, typically including a brief biography of the deceased person	निधन सूचना, शोक संदेश	
Ouija	Representation of spirit acts	आत्माओं का आमंत्रण	
Paronym	A word that is a derivative of another and has a related	व्युत्पन्न शब्द	
Ĩ	meaning	-	



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Philanderer	A person who readily or frequently enters into casual sexual relationships	व्यभिचारी
Poised	having a composed and self-assured manner.	संतुलित
Precariously	dangerously likely to fall or collapse	अनिश्चित रूप से
Purgation	The action of causing something to leave the body	शुद्धिकरण
Razor's edge	a difficult situation where any mistake may be very dangerous	एक अत्यंत मुश्किल एवं खतरनाक परिस्थिति
Sardonic	grimly mocking or cynical	हास्यपूर्ण, निंदापूर्ण
Serenade	a gentle piece of music in several parts, usually for a small group of instruments.	कोई प्रेम धुन
Silver lining	positive side of a difficult situation	सकारात्मक पक्ष, उम्मीद की किरण
Sojourn	A temporary stay	थोड़े समय के लिए कहीं पर ठहरना
Stockpiles	a large accumulated stock of goods or materials	जखीरा
Tamper	interfere with (something) in order to cause damage or make unauthorized alterations.	हस्तक्षेप करना
Traitor	a person who betrays a friend, country, principle, etc.	गदार, द्रोही
Under-dog	a competitor thought to have little chance of winning a fight or contest.	अप्रत्याशित विजयी
Unflinching	not showing fear or hesitation in the face of danger or difficulty.	बेधड़क, निडर
Unobtrusive	not conspicuous or attracting attention	अत्यन्त कम महत्व का
Vanish	disappear suddenly and completely	विलुप्त हो जाना
Wrath	Intense anger	क्रोध, गुस्सा

CPO MOCK TEST - 22 (ANSWER KEY)

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1. (C)	26. (C)	51. (D)	76. (A)	101. (C)	126. (C)	151. (A)	176. (C)
2. (C)	27. (C)	52. (D)	77. (B)	102. (D)	127. (A)	152. (B)	177. (A)
3. (D)	28. (B)	53. (B)	78. (C)	103. (C)	128. (C)	153. (C)	178. (D)
4. (B)	29. (A)	54. (A)	79. (D)	104. (B)	129. (C)	154. (C)	179. (B)
5. (C)	30. (B)	55. (A)	80. (B)	105. (B)	130. (B)	155. (A)	180. (B)
6. (A)	31. (B)	56. (A)	81. (C)	106. (B)	131. (C)	156. (C)	181. (B)
7. (B)	32. (B)	57. (A)	82. (A)	107. (A)	132. (B)	157. (B)	182. (D)
8. (B)	33. (A)	58. (D)	83. (D)	108. (A)	133. (C)	158. (C)	183. (A)
9. (A)	34. (D)	59. (C)	84. (A)	109. (B)	134. (D)	159. (D)	184. (D)
10. (C)	35. (A)	60. (C)	85. (B)	110. (D)	135. (D)	160. (B)	185. (D)
11. (A)	36. (B)	61. (B)	86. (B)	111. (A)	136. (B)	161. (A)	186. (C)
12. (C)	37. (B)	62. (C)	87. (B)	112. (B)	137. (A)	162. (B)	187. (A)
13. (D)	38. (A)	63. (C)	88. (B)	113. (D)	138. (B)	163. (D)	188. (C)
14. (A)	39. (D)	64. (B)	89. (A)	114. (C)	139. (D)	164. (C)	189. (B)
15. (A)	40. (B)	65. (C)	90. (C)	115. (A)	140. (A)	165. (D)	190. (B)
16. (D)	41. (D)	66. (D)	91. (A)	116. (A)	141. (D)	166. (D)	191. (B)
17. (A)	42. (D)	67. (C)	92. (D)	117. (B)	142. (A)	167. (C)	192. (A)
18. (D)	43. (C)	68. (C)	93. (C)	118. (B)	143. (D)	168. (A)	193. (C)
19. (C)	44. (C)	69. (B)	94. (C)	119. (D)	144. (D)	169. (A)	194. (D)
20. (C)	45. (C)	70. (B)	95. (B)	120. (C)	145. (A)	170. (A)	195. (A)
21. (B)	46. (A)	71. (A)	96. (D)	121. (B)	146. (C)	171. (A)	196. (C)
22. (A)	47. (D)	72. (B)	97. (C)	122. (A)	147. (C)	172. (B)	197. (A)
23. (A)	48. (D)	73. (C)	98. (B)	123. (C)	148. (B)	173. (D)	198. (D)
24. (D)	49. (A)	74. (C)	99. (D)	124. (B)	149. (D)	174. (B)	199. (C)
25. (A)	50. (D)	75. (A)	100. (B)	125. (C)	150. (A)	175. (C)	200. (B)
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