1. (C) Fire causes burning whereas Ice causes freezing.

2. (A) As, K L M N
    I J K L

   Similarly, T U V W
    R S T U

3. (B) As, $3^2 = 27$
   Similarly, $4^3 = 64$

4. (C) Except "Polo", others are indoor games.

5. (D) $D \rightarrow G \rightarrow J$
   $K \rightarrow N \rightarrow Q$
   $R \rightarrow U \rightarrow X$
   $I \rightarrow L \rightarrow N$

6. (D) Except '49', others are prime numbers.

7. (C) Satire → Stamped → Storm → Strangle → Strap

8. (B) $B \leftrightarrow T$
   $D \leftrightarrow R$
   $F \leftrightarrow P$
   $H \leftrightarrow N$ +2 -2 +2 -2
   +2 -2 -2 -2

9. (A) 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47
    23, 33, 43, 53, 63, 73, 83, 93, 103, 113, 123, 133, 143

10. (D) Ronit + Ashish = 84

   A. T. Q,
   3 Ashish + Ashish = 84
   ∴ Ashish = 21 yrs.
   ∴ Age of Ronit = 3 × 21 = 63 years.

11. (B) Grand father
    ↓
    Son
    Man — Ritika

As Ritika’s gender is not defined, so Ritika can be a sister or brother of the man, But in option, sister is given
∴ Ritika is sister of that man.

12. (B) Globe

13. (D) ATQ,
   Who are you → 432 .... (i)
   They is you → 485 ..... (ii)
   They are dangerous → 295 .... (iii)
   From (i) and (ii),
   you → 4
   from (ii) and (iii),
   they → 5 and,
   Dangerous → 9

14. (B) Using option (B), we get
   15 S 16 Q 2 P 4 = 47
   After changing alphabets as per given details
   $15 + 16 \div 2 \times 4 = 47$
   $\Rightarrow 15 + 8 \times 4 = 47$
   $\Rightarrow 47 = 47$
   Hence, option (B) is right answer.

15. (D) As, $4 * 7 * 2 \rightarrow (4 - 1) (7 - 1) (2 - 1)$

   361 \rightarrow 361
   $5 \times 9 \times 1 \rightarrow (5 - 1) (9 - 1) (1 - 1)$
   $480 \rightarrow 480$
   Similarly,
   $2 \times 1 \times 3 \rightarrow (2 - 1) (1 - 1) (3 - 1)$
   $102 \rightarrow 102$

16. (A) $3 \times 10 \times 6 + 6 = 186$
   $9 \times 5 \times 3 + 3 = 138$
   $5 \times 7 \times 1 + 1 = 36$
   $3 \times 2 \times 5 + 5 = 35$

17. (B) Number of triangles = 11

18. (C)

19. (B) From figures 1 & 3,

   3 6 1
   3 4 5

   ∴ '1' will come opposite to face containing 5.
20. (C) Number of musical toys = 14 + 28 = 42

21. (A) 

22. (B) 

23. (C) 

24. (B) 

25. (B) S C A M
   ↓ ↓ ↓ ↓
   11, 04, 86, 59

26. (A) Gita Jayanti Mahotsav- It falls on Shukla Ekadashi of Hindu Calender in month of Margashirsha. The day symbolizes the sacred text of Shrimad Bhagvat-Gita, the sacred text of Hindu. For last 3 years Haryana has been celebrating Gita Jayanti Mahotsav on International level and every year a country is invited for being a partner country for the event.

28. (C) National Anti-Profiteering Authority (NAA) has been constituted under section 171 of the Central Goods and Services Tax Act, 2017. The main function of NAA is to ensure that the reduction of tax or the benefit of input tax credit is passed onto the recipients by way of commensurate reduction in prices. The chairman is who holds or has held a post equivalent to a secretary to the government of India.

31. (B) Day Event
   23 January Netaji Shubhash Chandra Bose Jayanti
   23 March World Meteorological Day
   23 April World Book and Copyright day

35. (A) Exercise Country
    (India +)
    Indra Russia
    Hariman Shakti Malaysia
    Shakti France

36. (D) The battle of Waterloo was fought on 18th June 1815 near Waterloo (currently Belgium then part of the United Kingdom of the Netherlands). An imperial French army under the command of emperor Napoleon was defeated by the armies of seventh coalition, comprising an Anglo-allied army under the command of the Duke of Wellington combined with Persian army.
43. (D) Maurya Period - between 322 and 187 BCE
Gupta Period - from approximately 319 to 543 CE
Vedic Period - 1500 – c500 BCE
Buddha Period - c 563/480 – c 483/400 BCE

45. (C) **Author**  |  **Name of the Book**  
Joseph Lelyveld | Great Soul: Mahatma Gandhi and His struggle  
Sanjay Baru | The Acidental Prime Minister  
Richard Powers | The Overstory

50. (A) **Disease** |  **Test**  
AIDS | ELISA  
Tuberculosis | Mantoux  
Typhoid | Widal

51. (C)  
\[
\text{LCM (10, 11, 15, 22) } = 330n - 7 \\
\text{For required no.} \\
\text{Let } n = 30 \\
\text{Required number } = 330 \times 30 - 7 \\
= 9900 - 7 \\
= 9893
\]

52. (C)  
\[
\frac{S_1}{S_2} = \sqrt{\frac{T_1}{T_2}} \\
\Rightarrow \frac{S_2}{S_1} = \sqrt{\frac{4}{2}} \\
= \sqrt{2} \text{ km/hr}
\]

53. (D)  
\[
\text{Rate of regular 1 h } = \frac{2000}{50} = \text{₹} 40 \\
\text{Rate of additional hours } = 1 \frac{1}{2} \times 40 \\
= 60 \\
\text{No. of additional hours } \\
= \frac{2300 - 2000}{60} = 5 \text{ hours}
\]

54. (B)  
\[
\text{C.P for Mohit } = 150 \times \frac{5}{4} = \text{₹} 187.5
\]
\[
\text{C.P for Aman } = 220 \times \frac{10}{11} = \text{₹} 200
\]
\[
\text{Profit percentage for Mohit } = \left( \frac{200 - 187.5}{187.5} \right) \times 100 = 6.67\%
\]

55. (C)  
\[
\text{Student appeared in the exam } = \left( 1 - \frac{1}{9} \right) = \frac{8}{9}
\]
\[
\text{Total passed students } = \frac{8}{9} \times \frac{19}{24} = \frac{19}{27}
\]
\[
\text{Total Fail students } = \frac{8}{9} - \frac{19}{27} = \frac{5}{27}
\]
\[
\text{According to the question} \\
\frac{5}{27} \text{ units } \rightarrow 500 \\
1 \text{ unit } \rightarrow \frac{270 \times 500}{5} = 2700
\]
\[
\text{Required number of students } = 27
\]

56. (B)  
\[
x^{x^{xz}} = 1 \\
\Rightarrow x^{x^{xz}} = 1^{x^{xz}} \\
\Rightarrow x = 1 \text{ (As, } x, y \text{ & } z \text{ are natural number)} \\
\text{and, } y^{yz} = 1024 \\
\Rightarrow y^{yz} = (2)^{10} = (4)^5 \\
\Rightarrow (y = 2 \text{ and } z = 9) \text{ or } (y = 4 \text{ and } z = 4) \text{ and, } z^{x+y} = 729 \\
\Rightarrow (y = 2 \text{ and } z = 9) \text{ or } (y = 5 \text{ and } z = 3) \text{ As, } (y = 2 \text{ and } z = 9) \text{ satisfies both equation,} \\
\text{ } x = 1, y = 2 \text{ and } z = 9 \text{ is solution of the above equations.} \\
\text{Now, } (z + 1)^{x^{y^{z}}} = (9 + 1)^{1^{2^{9}}} = (10)^{6} = 10000
\]

57. (D)  
\[
2M = 3W = 4B \\
14M + 12W + 12B \text{ can do 24 day} \\
14M + 12W + 12B = 28M \\
\text{Now, } M_D_1 = M_D_2 \\
28M \times 24 = (28 + x) M \times 14 \\
\Rightarrow 28 + x = 48 \\
\Rightarrow x = 20
\]

58. (C)  
\[
\text{Area of shadded portion } = \text{sum area of semi-circles on BC, AB + Area of } \Delta ABC - \text{Area of semicircle on AC.}
\]
\[ \pi \times \frac{142}{7} + \pi \left( \frac{21}{2} \right)^2 \times 21 \times 28 - \pi \left( \frac{35}{2} \right)^2 \]

\[ = \frac{22}{7} \times 14 \times 14 + \frac{22}{7} \times \frac{21}{2} \times \frac{21}{2} + 294 - \frac{22}{7} \times \frac{35}{2} \times \frac{35}{2} \]

\[ = 616 + 346.5 + 294 - 962.5 \]

\[ = 294 \text{ cm}^2 \]

59. (C) Put, \( \theta = 45^\circ \)

\[ l = \sqrt{2} - \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \cdot m = \sqrt{2} - \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \]

Then, \( Pm^2 \) \( = \left( l + m^2 + 3 \right) \)

\[ \frac{1}{2} \times \frac{1}{2} \left[ \frac{1}{2} + \frac{1}{2} + 3 \right] = \frac{1}{4} \times 4 = 1 \]

60. (C) Let the present age of Father and Son be 7\( x \) and 3\( x \) respectively.

ATQ.,

\[ 7x + 6 = \frac{9}{5} \]

\[ \Rightarrow x = 3 \]

Their present age = 21 year and 9 years.

Required sum of ages = \( (21 + 12) + (9 + 12) \)

\[ = 54 \]

61. (A) Required number \( \Rightarrow \frac{7}{9} = \frac{56}{x} \Rightarrow x = 72 \)

62. (C) \( \frac{x + y}{z} = \frac{8}{5} \Rightarrow 5x + 5y = 8z \) ... (i) and

\[ \frac{y + z}{x} = \frac{3}{2} \Rightarrow 2y + 2z = 3x \] ... (ii)

From (i) and (ii), we get

\[ 3 \times (5x + 5y = 8z) \]

\[ 5 \times (-3x + 2y = -2z) \]

\[ 25y = 14z \]

\[ \Rightarrow z = \frac{25}{14} y \] ... (iii)

Putting eq. (iii) in eq. (ii), we get

\[ \Rightarrow x = \frac{13}{7} y \] ... (iv)

\[ \therefore \text{Required ratio} = 3 : 1 \]

63. (C) LCM of 3, 4, 6 = 12

Least three digit number multiple of 12 is 108.

\[ 3 - 1 = 4 - 2 = 6 - 4 = 2 \]

All has common difference 2.

Then, subtract 2 from 108

\[ N = 108 - 2 = 106 \]

\[ \therefore \text{When 106 is divided by 7, the remainder is 1.} \]

64. (A) \( \frac{4 + \frac{1}{2} \times 102 + \sqrt{216} + 409 \times 4^6}{(60 \% \text{ of } 800 + 16)} + 10 \)

\[ = \frac{4 + \frac{1}{2} \times 100}{25} \times 1024 \]

\[ = \frac{3}{5} \times 50 \times \frac{1}{10} \]

\[ = 684 \]

65. (D) Let distance travelled and time taken by boat be \( D \) and \( T \).

ATQ.,

\[ x + y = \frac{D}{T} \] ... (i) and \[ x - y = \frac{D}{2T} \] ... (ii)

solving eqation (i) and eq. (ii) we get,

\[ x = \frac{3D}{4T} \] and \[ y = \frac{D}{4T} \]

\[ \Rightarrow \frac{x}{y} = \frac{3D}{4T} \times \frac{4T}{D} = \frac{3}{1} \]

\[ \therefore \text{Required ratio} = 3 : 1 \]

66. (A) Let the monthly incomes of two persons is 8\( x \) and 11\( x \) respectively.

ATQ.,

\[ \begin{align*}
8x - 2000 & = 14 \\
11x - 2000 & = 23
\end{align*} \]

\[ \Rightarrow 184x - 46000 = 154x - 28000 \]

\[ \Rightarrow 30x = 18000 \]

\[ \Rightarrow x = 600 \]

So, the difference between their income

\[ = 3 \times 600 \]

\[ = \text{₹} 1800 \]
67. (A) Let the number of people = 100
Now, the number of persons who denotes the money in starting = 60
So, the collected money = 60 × 600 = 36000
⇒ Total money × 75% = ₹ 36000
⇒ Total money = ₹ 48000
∴ Per head contribution by the remaining people = \( \frac{12000}{40} = ₹ 300 \)
68. (C) Let he purchase 100 kg fruits at the rate ₹1 per kg.
Now, Initial S.P of fruits = 100 × \( \frac{115}{100} \)
= ₹115
So, S.P of fruits when 20% fruits rotted = \( 80 \times \frac{115}{100} \times \frac{110}{100} = ₹101.2 \)
Now, new profit percent = \( \frac{101.2}{100} \times \frac{110}{100} \times \frac{110}{100} = \frac{11}{5} \)
∴ Relation between T and S is
\( T = S \)
70. (C) A.T.Q.,
Sum of the roots of equation
\( (\tan \alpha + \tan \beta) = -\frac{11}{5} \)
Product of the roots \( (\tan \alpha \cdot \tan \beta) = \frac{21}{5} \)
We have,
\[ \tan(\alpha + \beta) = \frac{\tan \alpha + \tan \beta}{1 - \tan \alpha \cdot \tan \beta} \]
\[ \Rightarrow \tan(\alpha + \beta) = \frac{-\frac{11}{5}}{1 - \frac{21}{5}} = \frac{11}{16} \]
71. (D) \( x = 1 + \sqrt{3} + \sqrt{5} \)
\[ \Rightarrow x - 1 = \sqrt{3} + \sqrt{5} \]
\[ \Rightarrow x^2 - 2x + 1 = 3 + 5 + 2 \sqrt{15} \]
\[ \Rightarrow x^2 - 2x - 7 = 2 \sqrt{15} \]
\[ \Rightarrow x^2 - 4x^2 + 49 - 4x^2 + 28x - 14x^2 = 60 \]
\[ \Rightarrow x^2 - 4x^2 - 10x^2 + 28x - 10 = 1 \]
72. (C) Sales of A in 2009 = \( 24000 \times \frac{11}{10} \times \frac{6}{5} \times \frac{11}{10} \)
= 34848
Required difference = 58080 – 34848
= 23232
73. (A) Let the growth percentage in 2009 be P.

\[
\begin{align*}
\text{ATQ.}., 33902 &= 20000 \times \frac{115}{100} \times \frac{11}{10} \\
47520 &= 30000 \times \left(1 + \frac{x}{100}\right) \times \left(1 + \frac{x}{100}\right) \\
\Rightarrow 134 &= 100 + P \\
\Rightarrow P &= 34\%
\end{align*}
\]

74. (B) Required sale = \(24000 \times \frac{11}{10} \times \frac{6}{5} \times \frac{11}{10} \times \frac{5}{4}\) = \(43560\)

75. (D) Let the growth percentage of C in 2006 and 2007 be \(x\).

\[
\begin{align*}
\text{ATQ.}, 47520 &= 30000 \times \left(1 + \frac{x}{100}\right) \times \left(1 + \frac{x}{100}\right) \times \frac{11}{10} \\
\Rightarrow 144 &= 2 \left(1 + \frac{x}{100}\right) \times \frac{11}{10} \\
\Rightarrow 12 &= 1 + \frac{x}{100} \\
\Rightarrow x &= 20\%
\end{align*}
\]

Sale in 2006 = \(30000 \times \frac{6}{5} = 36000\)

<table>
<thead>
<tr>
<th>Word</th>
<th>Meaning in English</th>
<th>Meaning in Hindi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antediluvian</td>
<td>very old or old-fashioned</td>
<td>पुराना ना ह।</td>
</tr>
<tr>
<td>Antiquated</td>
<td>very old and no longer useful or accepted</td>
<td>आघाटित</td>
</tr>
<tr>
<td>Entangle</td>
<td>to get someone involved in a confusing or difficult situation</td>
<td>तक्षित तर्क सोचना</td>
</tr>
<tr>
<td>Eavesdrop</td>
<td>to listen secretly to what other people are saying</td>
<td>फोन देखना</td>
</tr>
<tr>
<td>Feign</td>
<td>to pretend to feel or be affected by something</td>
<td>टिकटिक करना</td>
</tr>
<tr>
<td>Hydroplane</td>
<td>when a car goes out of control and skims along the surface of a wet road</td>
<td>स्लाइडिंग करना</td>
</tr>
<tr>
<td>Hoax</td>
<td>to trick or deceive someone</td>
<td>टिकटिक करना</td>
</tr>
<tr>
<td>Inconspicuous</td>
<td>not very easy to see or notice</td>
<td>लक्षित ना ह।</td>
</tr>
<tr>
<td>Mendacity</td>
<td>lack of honesty</td>
<td>अपराधीत</td>
</tr>
<tr>
<td>Nonsectarian</td>
<td>not affiliated with or restricted to a particular religious group</td>
<td>वैदितम लोकित</td>
</tr>
<tr>
<td>Parched</td>
<td>very dry especially because of hot weather and no rain</td>
<td>गरम ना ह।</td>
</tr>
<tr>
<td>Prevarication</td>
<td>to avoid telling the truth by not directly answering a question</td>
<td>बाहर बताना</td>
</tr>
<tr>
<td>Reconnoiter</td>
<td>to go to a place or area in order to find out information about a military enemy</td>
<td>दिलचस्पी देखना</td>
</tr>
<tr>
<td>Sophisticated</td>
<td>attractive or fashionable</td>
<td>अत्यष्टरूपी</td>
</tr>
<tr>
<td>Shoddy</td>
<td>inferior, imitative, or pretentious articles</td>
<td>उच्च चालना</td>
</tr>
<tr>
<td>Tactile</td>
<td>relating to the sense of touch</td>
<td>सन्तोषपूर्ण</td>
</tr>
<tr>
<td>Tonsillitis</td>
<td>a condition in which a person’s tonsils are painful and swollen</td>
<td>ठोसां करणारे गुंडे गुंडे</td>
</tr>
<tr>
<td>Veracity</td>
<td>truth or accuracy</td>
<td>सचाई ई।</td>
</tr>
</tbody>
</table>
SSC MOCK TEST - 206 (ANSWER KEY)

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

76. (D) No error
77. (B) Change ‘was’ into ‘were’ because here the subject is ‘nine people’ which is plural, so the verb will also be plural.
90. (C) ‘It is time’ is followed by V2.
91 (B) Indistinguishable one from the other.

Note: - Whatsapp with Mock Test No. and Question No. at 7053606571 for any of the doubts. Join the group and you may also share your suggestions and experience of Sunday Mock Test.

Note: - If you face any problem regarding result or marks scored, please contact 9313111777