

- PIL, the right to file suit is given to a member of the public through judicial activism.
30. (B) Milkha Singh, also known as The Flying Sikh, has been honoured with the 2017 Maruti Suzuki Living Legend of the Year award at the 6th edition of 'Maruti Suzuki Sportsman of the Year' Charity Gala Awards on July 6, 2017 at ITC Grand Central in, Mumbai, Maharashtra.
32. (D) In humans, glycogen is made and stored primarily in the cells of the liver and the muscles, hydrated with three or four parts of water. Muscle glycogen is converted into glucose by muscle cells, and liver glycogen converts to glucose for use throughout the body including the central nervous system.
33. (C) Antoine Henri Becquerel was a French physicist, Nobel laureate, and the first person to discover evidence of radioactivity.
34. (C) Nicolaus Copernicus was a Renaissance mathematician and astronomer who formulated a model of the universe that placed the Sun rather than the Earth at the center of the universe.
35. (C) Tianhe-I is a supercomputer capable of an Rmax (maximum range) of 2.5 petaFLPS. Located at the National Supercomputing Centre of Tianjin, China it was the fastest computer in the world from October 2010 and is one of the few Petascale supercomputer in the world.
37. (C) The traditional festival Kut of the Mizos is celebrated across the north-eastern state of Mizo-inhabited areas in the neighbouring states. It is a spring festival celebrated during March after completion of their most arduous task of Jhum operation i.e., jungle clearing of the remnants of burning) with great fervour and gaiety.
38. (C) The Indian Councils Act 1909, commonly known as the Morley-Minto Reforms was an Act of the Parliament of the United Kingdom that brought about a limited increase in the involvement of Indians in the governance of British India. John Morley, the Liberal Secretary of State for India, and the Conservative Viceroy of India.
40. (B) Child Marriage Restraint Act 1929, passed on 28 September 1929 in the British India Legislature of India, fixed the age of marriage for girls at 14 years and boys at 18 years which was later amended to 18 for girls and 21 for boys. It is popularly known as the Sarda Act, after its sponsor Harbilas Sarda.
41. (B) Thermal capacity is the amount of heat that is required in order to raise the temperature by 1°C
42. (D) Anti-Defection Law is contained in the Tenth Schedule of the Constitution, which was introduced by the 52nd Amendment in 1985 during tenure of Rajiv Gandhi Earlier, 10th schedule was related to association of Sikkim with India. Once, Sikkim became fledged state, this schedule was repealed via the 36th amendment act.
43. (C) K G Karmakar and Gauri Shankar have been appointed as new Independent Directors of India Post Payments Bank (IPPB). The Appointments Committee of the Cabinet has approved their appointment to the post on the board of directors of the bank for a period of 3 years. The IPPB has been incorporated as a public sector bank under the Department of Posts with 100% equity of the Government of India (GoI).
45. (B) The National Disaster Management Authority (NDMA) has conducted its first-of-its-kind State-level mock exercise on forest fire in Uttarakhand on April 18, 2017. The mock exercise was part of a three-day event which began with a Co-ordination Conference on April 18, 2017, followed by a Table-top Exercise on April 19, 2017. The mock exercise has been conducted in collaboration with the State Government.
47. (D) Antonie Philips van Leeuwenhoek was a Dutch businessman, scientist, and one of the notable representatives in the golden age of Dutch science and technology. A largely self-taught man in science, he is commonly known as the father of Microbiology, and often field of microscopy and for the contributions towards the establishment of microbiology of as a scientific discipline.
48. (C) National Rural Employment Guarantee Act 2005 was later renamed as the "mahatma Gandhi National Rural Employment Guarantee Act" (or, MGNREGA), is an Indian labour law and social security measure that aims to guarantee the 'right to work'.
49. (A) The Factory Act of 1891 in India was enacted to improve the condition of

labour in India. It resulted in the limitation on the factory working house, and provided the solution to the pathetic working conditions of workers in factories.

50. (A) Nagarjuna was associated with the formulation of the basic ideas of the Mahayana Buddhism. Nagarjuna gave the 'Madhamika' philosophy or the philosophy of the middle way and taught that there is neither reality nor non-reality but only relativity.

51. (D) ATQ,
 $a - b = 8$
 $\Rightarrow a = 8 + b$
 then, $ab = 20$
 $\Rightarrow (8 + b)b = 20$
 $\Rightarrow 8b + b^2 - 20 = 0$
 $\Rightarrow (b + 10)(b - 2) = 0$
 Either $b = -10$ or $b = 2$
 then, either $a = -2$ or $a = 10$
 $\Rightarrow a^3 - b^3 = (-2)^3 - (-10)^3$ or $a^3 - b^3 = 10^3 - 2^3$
 $\Rightarrow a^3 - b^3 = -8 + 1000$ or $a^3 - b^3 = 1000 - 8$
 $\Rightarrow a^3 - b^3 = 992$ or $a^3 - b^3 = 992$
 Hence, $a^3 - b^3 = \mathbf{992}$

52. (C) ATQ,
 $\frac{x^6 + 1}{x^3} = x^3 + \frac{1}{x^3} = a^3 - 3a$
 $\Rightarrow a^3 - 3a = 0$
 $\Rightarrow a = \sqrt{3}$

Then, $x + \frac{1}{x} = \sqrt{3}$
 Squaring both sides,
 Hence, $x^2 + \frac{1}{x^2} = \mathbf{1}$

53. (C) ATQ,
 Amount of A = $\frac{200}{(5-3)} \times 3 = \mathbf{₹300}$
 and Amount of B = $\frac{200}{(5-3)} \times 5 = \mathbf{₹500}$
 Hence, Required Sum = $300 + 500 = \mathbf{₹800}$

54. (C) ATQ,
 CP : S.P : M.P
 100 : 108 : 135
 Hence, Required ratio = $\mathbf{20 : 27}$

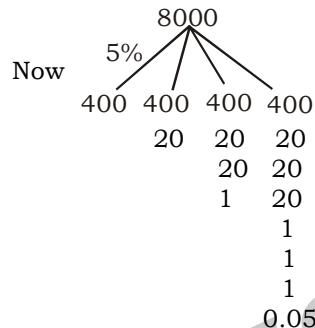
55. (B) ATQ,
 Required Selling Price
 $= \frac{23200}{(100+16)} \times (100+27) = \mathbf{₹25400}$

56. (C) ATQ,
 Zinc : Copper
 56 : 24 in 80 kgs
 Then, required quantity = $\frac{56}{2} \times 3 - 80$
 $= \mathbf{4kgs}$

57. (C) ATQ,
 S.I = $\frac{8000 \times 10 \times 2}{100} = 1600$

and C.I for 2 years compounded half yearly.

then, $r = \frac{10}{2} = 5\%$



Hence, Required difference
 $= 1724.05 - 1600 = \mathbf{₹124.05}$

58. (C) ATQ,
 LCM $\times 3 = 567$
 \Rightarrow LCM = 189
 Hence, required ratio = $3 : 189$
 $= \mathbf{1 : 63}$

59. (C) ATQ,
 Required average = $\frac{15 \times 16 (31)}{15 \times 6} = \mathbf{82 \frac{2}{3}}$

60. (D) ATQ,
 $x^3 + y^3 - z^3 = 0$
 Then, $x^9 + y^9 - z^9 = 3x^3 y^3 (-z)^3 = -3x^3 y^3 z^3$
 now, $\frac{x^9 + y^9 - z^9}{x^3 y^3 z^3} = \frac{-3x^3 y^3 z^3}{x^3 y^3 z^3} = \mathbf{-3}$

61. (D) ATQ,
 $x = 2 + \sqrt{3}$
 Squaring both sides
 $x^2 = 4 + 3 + 4\sqrt{3}$
 then, $x^2 - 4x + 2 = 7 + 4\sqrt{3} - 8 - 4\sqrt{3} + 2 = \mathbf{1}$

62. (C) ATQ,
 $\frac{4}{3} \pi \left(\frac{3}{2}\right)^3 = \frac{4}{3} \pi \left[\left(\frac{1.5}{2}\right)^3 + \left(\frac{2}{2}\right)^3 + \left(\frac{x}{2}\right)^3\right]$

$\Rightarrow \frac{27}{8} = \frac{27}{64} + 1 + \frac{x^3}{8}$
 $\Rightarrow 216 = 27 + 64 + 8x^3$
 $\Rightarrow 125 = 8x^3$
 Cube root on both side,
 $\Rightarrow x = \frac{5}{2}$
 Hence, Required diameter = $\mathbf{2.5cm}$

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63. (C) ATQ,

$$\begin{aligned} \text{Required Present} &= 75 + 75 + \frac{75 \times 75}{100} \\ &= 150 + 56.25 \\ &= \mathbf{206.25\%} \end{aligned}$$

64. (B) ATQ,

$$\begin{aligned} x + y &= 150^\circ \text{ -----(i) and,} \\ x - y &= 90^\circ \text{ -----(ii)} \end{aligned}$$

form equation (i) and (ii),
 $x = 120^\circ$

$$x \text{ (in radian)} = 120^\circ \times \frac{\pi}{180^\circ} = \frac{2\pi}{3}$$

65. (C) ATQ,

$$\tan 63^\circ = x$$

$$\text{then, } \sin 63^\circ = \frac{x}{\sqrt{x^2 + 1}}$$

$$\text{Hence, } \cos 27^\circ = \frac{x}{\sqrt{x^2 + 1}}$$

66. (B) ATQ,

The sum of opposite angle of a quadrilateral in a circle = 180°
then, $x + 120^\circ = 180^\circ$
 $\Rightarrow x = 60^\circ$

$$\Rightarrow x \text{ (in radian)} = 60^\circ \times \frac{\pi}{180^\circ} = \frac{\pi}{3}$$

67. (A) ATQ,

$$\text{Required Angle} = \frac{180^\circ}{12} \times 5 = \mathbf{75^\circ}$$

68. (A) ATQ,

$$(y - 5) = \frac{3}{4}(x - 0)$$

$$\Rightarrow 4y - 20 = 3x$$

$$\Rightarrow 3x - 4y = -20$$

Hence, Required Equation = $(3x - 4y = -20)$

69. (A) ATQ,

$$\text{Time taken by Neha} = \frac{40 \times 2}{3} = \frac{80}{3} \text{ hours}$$

Then, Manoj 40 $\left\{ \begin{array}{l} 2 \\ 3 \end{array} \right.$ 80
Neha $\frac{80}{3}$

$$\text{Hence, Required time} = \frac{80}{2+3} = \mathbf{16 \text{ hours}}$$

70. (B) ATQ,

$$\text{Required speed} = \frac{252}{5} \times 2 \times \frac{5}{18} = \mathbf{28}$$

71. (C) ATQ,

$$x + y = 60$$

4 year later,

$$\frac{x+4}{y+4} = \frac{9}{8}$$

$$\Rightarrow \frac{x+4}{60-x+4} = \frac{9}{8}$$

$$\Rightarrow x = 32$$

Hence, A age of husband = $\mathbf{32 \text{ years}}$

72. (D) ATQ,

A + B \rightarrow 12 $\left\{ \begin{array}{l} 5 \\ 3 \end{array} \right.$ 60
A \rightarrow 20

Then, efficiency of B = $5 - 3 = 2$

$$\begin{aligned} \text{Hence, Required days} &= \frac{60}{3+2 \times \frac{1}{2}} = \frac{60}{4} \\ &= \mathbf{15 \text{ days}} \end{aligned}$$

73. (B) ATQ,

$$\begin{aligned} \text{Required Expenditure} &= \frac{18000 \times 105^\circ}{360^\circ} \\ &= \mathbf{₹5250} \end{aligned}$$

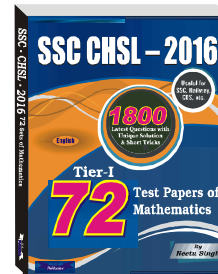
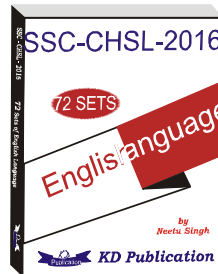
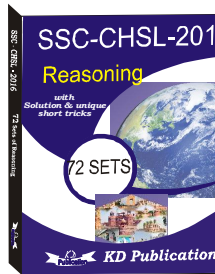
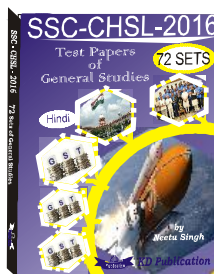
74. (C) ATQ,

$$\begin{aligned} \text{Required amount} &= \frac{18000 \times (70^\circ - 65^\circ)}{360^\circ} \\ &= \mathbf{₹250} \end{aligned}$$

75. (D) ATQ,

$$\text{Required percent} = \frac{(70^\circ - 40^\circ)}{40^\circ} \times 100 = \mathbf{75\%}$$

SSC (CHSL-2016) 72 Sets



MEANINGS IN ALPHABETICAL ORDER

Words	Meaning in English	Meaning in Hindi
Adjourn	break off (a meeting, legal case, or game) with the intention of resuming it later	स्थगित करना
Betrayal	back stab	धोखा
Chieftain	a chief especially of a band, tribe, or clan	प्रधान-पुरूष
Deplete	to greatly reduce the amount of (something)	समाप्त करना, क्षरण करना
Emancipate	to free from any controlling influence	मुक्त करना
Fanatic	a person who is extremely enthusiastic about something	उन्मादी
Feud	a long bitter quarrel between two people, families, or groups	कुल-बैर
Gullible	easily duped or cheated	भोला-भाला
Homo Sapiens	the species of human beings that exist today	मानवजाति
Invertebrates	lacking a spinal column	अपृष्ठवंशी, जिसमें मेरूदण्ड न हो
Liberate	to set free	आजाद करना
Loyalty	the quality of being loyal	ईमानदारी
Marsupials	a type of animal (such as a kangaroo) that carries its babies in a pocket of skin on the mother's stomach	कंगारू जैसा प्राणी
Martyr	a person who is killed because of their religious or political beliefs	शहीद
Muling	the use of a courier to smuggle drugs.	नशीली दवाओं का तस्कर
Patriot	one who loves his or her country and supports its authority and interests	देशभक्त
Pedant	a one who makes a show of knowledge	ज्ञान का प्रदर्शन करने वाला
Pretend	to give a false appearance of being, possessing, or performing	बहाना करना
Rebellion	opposition to one in authority or dominance	विद्रोह
Sober	having or showing a very serious attitude or quality	गंभीर
Sustainable	able to last or continue for a long time	लंबे समय तक चलने वाला
Transition	a change from one state or condition to another	परिवर्तन
Treachery	violation of allegiance or faith	धोखा, बेइमानी
Ubiquitous	existing everywhere at the same time	सर्वव्यापी
Vertebrate	having a backbone	हड्डीवाला
Willy-Nilly	in a haphazard manner	अव्यवस्थित ढंग से

SSC MOCK TEST - 110 (ANSWER KEY)

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

- | | |
|---|---|
| <p>76. (C) Article 'an' is used before single countable noun. Thus replace 'bells' with 'bell'.</p> <p>77. (A) Replace 'never saw' with 'have never seen'. 'Since', when used as a conjunction, should be preceded by a verb in the Present Perfect Tense, and followed by a verb in the Simple Past Tense.</p> <p>78. (C) Change 'that I ever heard' into 'I had ever heard of'.</p> <p>79. (B) Phrasal verb 'back out' means 'withdraw from commitment'.</p> <p>80. (A) 'Run something off' means 'to copy something on a machine'.
'Run on something' means 'if your thoughts run on a subject, you think a lot about that subject'.
'Run something down' means 'to make something lose power or stop working'</p> | <p>Run out — If a supply of something runs out, it is used up or finished.</p> <p>81. (D) 'Tread on something' means 'to put your foot down while you are stepping or walking'.</p> <p>88. (C) Replace 'Can't he' with 'doesn't he'.
 <ul style="list-style-type: none"> • The sentence and question tag should be in same tense • If the sentence is affirmative, it's question tag will be negative. </p> <p>89. (B) 'Uneasy lies the head that wears the crown' is a proverb which means 'person who has great responsibilities, is constantly worried.'</p> <p>90. (C) 'Bursting at the seams' means 'extremely crowded'.</p> <p>91. (C) 'Should' and 'If' are interchangeable at the beginning of a conditional sentence. Both mean the same.</p> <p>92. (C) Here the main subject is 'the ban' which is singular hence will agree with singular verb 'has'.</p> |
|---|---|

Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003

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