

- times before moving to Rajghat, New Delhi in 1961, next to the Samadhi of Mahatma Gandhi.
32. (D) Quinine was first isolated in 1820 from the bark of a cinchona tree. Bark extracts have been used to treat malaria since 1532. It is on the World Health Organization's List of Essential Medicines, the most effective and safe medicines needed in a health system.
33. (B) The Battle of Wandiwash was a decisive battle in India during the Seven Years' War. This was the Third Carnatic War fought between the French and the British.
35. (C) The Program status word (PSW) is an IBM System/360 architecture and successor control register which performs the function of a Status register and Program counter in other architectures.
36. (B) The Salt March, also known as the Dandi March and the Dandi Satyagraha, was an act of nonviolent civil disobedience in colonial India initiated by Mohandas Karamchand Gandhi to produce salt from the seawater in the coastal village of Dandi. While Gandhi marched along India's west coast, his close associate C. Rajagopalachari, who would later become sovereign India's first Governor-General, organized the Vedaranyam salt march in parallel on the east coast.
37. (A) The Department of Atomic Energy is directly under the Prime Minister of India with the headquarters in Mumbai. The department is responsible for nuclear technology, including nuclear power and research.
38. (C) Small Industries Development Bank of India (SIDBI), set up on April 2, 1990 under small industries development bank of India act, is the Principal Financial Institution for the Promotion, Financing and Development of the Micro, Small and Medium Enterprise (MSME) sector and for Co-ordination of the functions of the institutions engaged in similar activities.
39. (A) Amniocentesis (also referred to as Amniotic Fluid Test or AFT) is a medical procedure used in prenatal diagnosis of chromosomal abnormalities and fetal infections, and also for sex determination, in which a small amount of amniotic fluid, which contains fetal tissues, is sampled from the amniotic sac surrounding a developing fetus, and then the fetal DNA is examined for genetic abnormalities.
40. (B) Kelkar committee was a committee set up to study and evaluate the extant public-private partnership (PPP) model in India.[1] The committee was set up by India's central government and headed by Vijay Kelkar.
41. (D) To boot a computer is to load an operating system into the computer's main memory or random access memory (RAM). Once the operating system is loaded, it's ready for users to run applications.
42. (A) The Balwant Rai Mehta Committee was a committee appointed by the Government of India in January 1957 to examine the working of the Community Development Programme (1952) and the National Extension Service (1953) and to suggest measures for their better working. The Chairman of this committee was Balwantrao G Mehta. The committee submitted its report in November 1957 and recommended the establishment of the scheme of 'democratic decentralisation' which finally came to be known as Panchayati Raj.
43. (C) Indian skipper Mithali Raj has become the first player in the history of women's ODI cricket to have crossed 6000 career runs. She reached the milestone in India's ICC Women's World Cup 2017 match against Australia on July 12, 2017. So far, Mithali has scored 6028 runs with the help of five centuries and 49 half-centuries. Now, she is the all-time highest run-scorer in women's cricket, surpassing the record previously held by England's Charlotte Edwards (5992).
44. (B) The 6th BRICS Summit that was held in Fortaleza, Brazil. The theme of the Summit was Inclusive Growth: Sustainable Solutions.
45. (D) Association of Southeast Asian Nations
 1. Indonesia 2. Malaysia
 3. Philippines 4. Singapore
 5. Thailand 6. Brunei
 7. Vietnam 8. Laos
 9. Myanmar 10. Cambodia
49. (D) The 12th five year plan of the Government of India has been decided to achieve a growth rate of 8.2% but the National Development Council on 27 Dec 2012 approved a growth rate of 8% for the 10th five year plan. The government intends to reduce poverty by 10% during the 12th five year plan.

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50. (A) Introduction of indirect elections for the non-official member of the imperial and provincial legislative councils was a significant feature of The Indian Council act 1892.
- (b) Introduction of separate electorate for Muslim was an important provision of Government of India act 1909.
- (c) Introduction of diarchy in provinces is an important feature of Government of India act 1919.
- (d) Introduction of responsible government in provinces and abolition of dyarchy in them (provincial autonomy) was a significant provision of Government of India act 1935.

51. (D) $3^2 + 7^2 + 11^2 + 15^2 - 2^2 - 6^2 - 10^2 - 14^2$
 $= 3^2 - 2^2 + 7^2 - 6^2 + 11^2 - 10^2 + 15^2 - 14^2$
 $= 5 + 13 + 21 + 29 = \mathbf{68}$
 [Using $a^2 - b^2 = (a - b)(a + b)$]

52. (C) ATQ,

Total sum = $\frac{n}{2}(a + l) = \frac{25}{2} \times (1 + 25) = 325$
 Hence, Required number = $325 - 301 = \mathbf{24}$

53. (C) ATQ,

$10^{\text{th}} \text{ Number} = 10 \times 82 + 10 \times 129 - 19 \times 111$
 $= 2110 - 2009 = \mathbf{1}$

54. (A) ATQ,

$\frac{11 \times 19 + x - 11}{12} = x$
 $\Rightarrow 11 \times 19 - 11 = 12x - x$
 $\Rightarrow 18 \times 11 = 11x$
 $\Rightarrow x = 18$
 Hence, total amount = $18 \times 12 = \mathbf{₹216}$

55. (B) ATQ,

Let Total profit = 1000
 then, $Y + Z = 1000 \times \frac{3}{5} = 600$ -----(i) and,

$X + Z = 1000 \times \frac{5}{8} = 625$ -----(ii)

from equation (i) and (ii),
 $Z = 600 + 625 - 1000 = 225$

$\Rightarrow X = 400$ and $Y = 375$
 Hence, $X : Y : Z$
 $400 : 375 : 225$
 $\mathbf{16 : 15 : 9}$

56. (C) ATQ,

$x^3 + \frac{1}{x^3} = 3$

taking cube on both side

$x^9 + \frac{1}{x^9} = 3^3 - 3 \times 3 = \mathbf{18}$

57. (A) ATQ,

$\frac{p^2 + q^2}{pq} = \frac{r^2 + s^2}{rs}$

$\Rightarrow \frac{p}{q} + \frac{q}{p} = \frac{r}{s} + \frac{s}{r}$

$\Rightarrow \frac{p}{q} = \frac{r}{s}$ or $\frac{p}{r} = \frac{s}{q}$

$\Rightarrow \frac{p - q}{p + q} = \frac{r - s}{r + s}$ or $\frac{p - q}{p + q} = \frac{s - r}{s + r}$

Hence, $(p - q) / (p + q) = \mathbf{(r - s) / (r + s)}$

58. (C) ATQ,

$\frac{40 \times x}{100} - \frac{(60 - x)}{100} \times 10 = 4$

$\Rightarrow 40x + 10x - 600 = 400$

$\Rightarrow 50x = 1000 \Rightarrow x = 20$

Hence, Cost price of pencil = $\mathbf{₹20}$

59. (A) ATQ,

Total amount = $24000 \times \frac{135}{100} \times \frac{135}{100}$
 $= \mathbf{₹43740}$

60. (C) ATQ,

$\frac{x}{(70 - 60) \times \frac{5}{18}} = 162 \Rightarrow x = 450$

Hence, Total length of fast train = $\mathbf{450m}$

61. (C) ATQ,

	A	B
efficient	13	10
time	10	13
	20	26

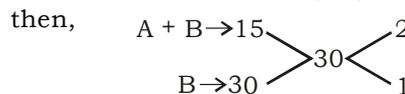
Hence, Required days = $\mathbf{20 \text{ days}}$

62. (B) ATQ,

Required distance = $\frac{(36 + 54)}{1} \times \frac{5}{18} = \mathbf{25m}$

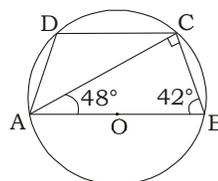
63. (B) ATQ,

Time taken by B = $\frac{24}{15 - 3} \times 15 = 30$ days



Hence, time taken by A = $\frac{30}{2 - 1} = \mathbf{30 \text{ days}}$

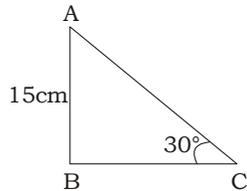
64. (B) ATQ,



$\angle ABC = 90^\circ - 48^\circ = 42^\circ$

then, $\angle ADC = 180^\circ - 42^\circ = \mathbf{138^\circ}$

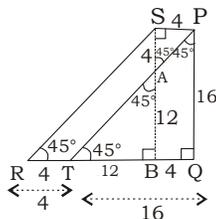
65. (C) ATQ,



$$\tan 30^\circ = \frac{AB}{BC}$$

$$\Rightarrow BC = 15 \times \sqrt{3} = 15\sqrt{3} \text{ cm}$$

66. (A) ATQ,



Draw SB || PQ

$$\text{area of } \triangle ABT = \frac{1}{2} \times 12 \times 12 = 72$$

$$\text{area of } \triangle SRB = \frac{1}{2} \times 16 \times 16 = 128$$

$$\text{then, area of } SRTA = 128 - 72 = 56$$

$$\text{area of } SPA = \frac{1}{2} \times 4 \times 4 = 8$$

$$\text{Then, Required area} = 56 + 8 = 64\text{cm}^2$$

67. (C) ATQ,

$$\sin(4x - y) = 1 = \sin 90^\circ$$

$$\Rightarrow 4x - y = 90^\circ \text{ -----(i) and}$$

$$\cos(2x + y) = \frac{1}{2} = \cos 60^\circ$$

$$\Rightarrow 2x + y = 60^\circ \text{ -----(ii)}$$

from equation (i) and (ii),

$$x = 25^\circ \quad y = 10^\circ$$

$$\text{then, } \tan(25^\circ + 2 \times 10^\circ) = \tan 45^\circ = 1$$

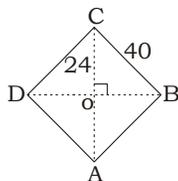
68. (B) ATQ,

$$OB^2 = 40^2 - 24^2$$

$$\Rightarrow OB = 32\text{cm}$$

$$\Rightarrow DB = 32 \times 2 = 64\text{cm}$$

$$\text{then, Area of rhombus} = \frac{48 \times 64}{2} = 1536\text{cm}^2$$



69. (C) ATQ,

$$\frac{\text{height}}{\text{base}} = \tan \theta$$

$$\Rightarrow \frac{57}{19\sqrt{3}} = \tan \theta$$

$$\Rightarrow \sqrt{3} = \tan \theta = \tan 60^\circ$$

$$\Rightarrow \theta = 60^\circ$$

Hence, Angle of elevation = **60°**

70. (A) ATQ,

$$\frac{4}{3} \times \frac{22}{7} \times 14 \times 14 \times 14 = \frac{1}{3} \times \frac{22}{7} \times \left(\frac{14}{2}\right) \times \left(\frac{14}{2}\right) \times h$$

$$\Rightarrow h = 224$$

Hence, height of cone = **224cm**

71. (C) ATQ,

$$\text{Cost price} = \frac{400}{12 - 4} = \text{₹}50$$

72. (B) ATQ,

Let the cost price = 100

then, selling price = 100 + 230 = 330

ATQ,

new cost price = 150

then, profit = 330 - 150 = 180

$$\Rightarrow \text{Required profit} = \frac{180}{150} \times 100 = 120\%$$

73. (B) ATQ,

$$\text{Required percent} = \frac{(750 - 500)}{500} \times 100 = 50$$

74. (D) ATQ,

$$\begin{aligned} \text{Required percent} &= \frac{(600 - 500)}{600} \times 100 \\ &= 16.66 \end{aligned}$$

75. (A) ATQ,

$$\text{Required Number} = \frac{(410 + 490 + 300)}{3}$$

$$= \frac{1200}{3} = 400$$

MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Assiduity	Showing great care, attention, and effort	लगन
Boon	Blessing	वरदान
Brisk	Done with quickness and energy	तेजी एवं स्फूर्ति से
Caveat	A warning enjoining one from certain acts or practices	चेतावनी
Chagrin	Disquietude of mind caused by humiliation	निराशा
Chum	A close friend, pal	मित्र
Cohort	A group of people	दल
Conscientious	Meticulous, careful	कर्तव्यनिष्ठ
Contusion	Injury to tissue usually without laceration	भीतरी चोट
Dare	To confront boldly, defy	साहस करना
Delude	To mislead the mind, deceive	ठगना
Diligence	steady, earnest, and energetic effort	परिश्रम
Glitch	A usually minor malfunction	तकनीकी खराबी
Hoodwink	To deceive by false appearance	आँखें में धूल झाँकना, धोखा देना
Hurdle	Barrier, obstacle	बाधा
Knurl	A small protuberance or knob	गाँठ
Lethargy	the quality or being lazy, sluggish, or indifferent	आलसी
Patronize	Provide aid or support for	संरक्षण देना
Pique	To arouse anger or resentment	खीज
Pustule	A small bump on the skin containing pus	फुंसी
Snag	An unexpected problem or difficulty	कठिनाई
Taunt	A sarcastic remark	मजाक उड़ाने वाला वक्तव्य
Vexation	The act of harassing or vexing	परेशानी
Vigour	Strength, energy or determination	जोश

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SSC MOCK TEST - 113 (ANSWER KEY)

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

84. (D) No improvement We use 'past tense' forms to talk about wishers for the 'present'.
91. (B) Structure of Conditional sentence:
If + sub + had, sub + would + have + V₃
92. (C) Correct phrase is 'in front of'.
93. (A) Only will come before 'a subsidiary role' as it qualifies it.

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