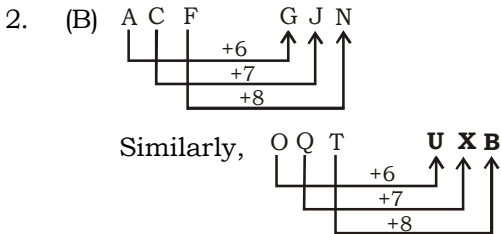


SSC MOCK TEST – 126 (SOLUTION)

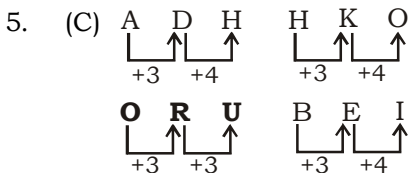
1. (B) Bees give Honey. Similarly, Cow gives **Milk**.



3. (B) $(0.64)^{\frac{1}{2}} = 0.8$

Similarly, $(0.0001)^{\frac{1}{2}} = \mathbf{0.01}$

4. (D) Except **Valley**, others contains water.



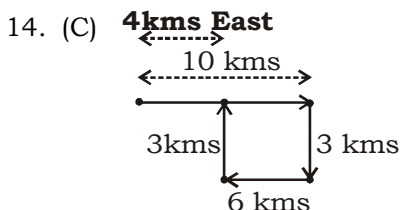
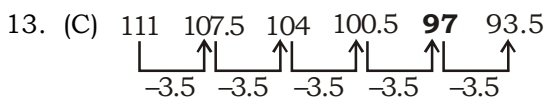
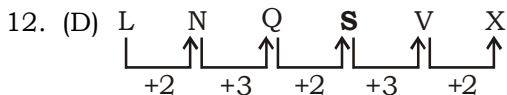
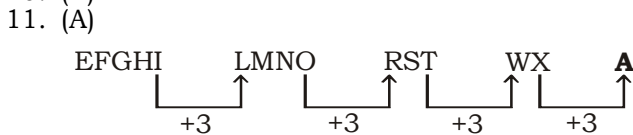
6. (D) Except **161**, others are prime numbers.

7. (D)
Examination → Expenditure → Experience
→ **Explicit**

8. (B) Difference between these two dates
= 25 + 31 + 31 + 30 + 31 + 24
= 24 weeks + 4 days
Hence, Required days = Monday + 4 days
= **Friday**

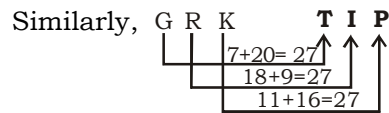
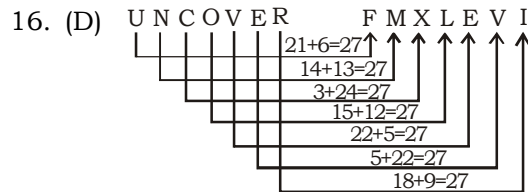
9. (C) ATQ,
200 = 80 + 70 + 50
240 = 80 + 70 + 40 + 50
180 ≠ 80 + 70 + 40 = 190
130 = 80 + 50

10. (A) **NEATLY**



15. (D) $10 + 25 - 800 \times 32$

Change the symbol, as per given details,
 $10 \times 25 + 800 \div 32 = \mathbf{275}$



17. (B)

18. (C)

19. (A)



I True

II True

20. (A)

21. (C) $(3 + 3) \times 10 = 60$
 $(5 + 3) \times 10 = 80$
 $(5 + 8) \times 10 = \mathbf{130}$

22. (C) 23. (B) 24. (A) 25. (C)

26. (A) The Constitution (Eighty-sixth Amendment) Act, 2002 inserted Article 21-A in the Constitution of India to provide free and compulsory education of all children in the age group of six to fourteen years as a Fundamental Right in such a manner as the State may, by law, determine.

27. (A) The Union Government had constituted an inter-ministerial committee headed by Ashok Dalwai to prepare a blueprint for doubling farmers' income by 2022.

28. (A) The Attorney General for India is the Indian government's chief legal advisor, and its primary lawyer in the Supreme Court of India. He can be said as the lawyer from government's side. He is appointed by the President of India under Article 76(1) of the Constitution and holds office during the pleasure of the President. The 15th and current Attorney General is K. K. Venugopal.

29. (D) A byte is a common unit for groupings of bits. In general use, a byte is taken to mean a contiguous sequence of eight bits.
- One byte = grouping of 8 bits
 - e.g. 0 1 0 1 1 0 1 0
30. (C) Metal salts commonly used in firework displays include: Strontium Carbonate (red fireworks), Calcium Chloride (orange fireworks), Sodium Nitrate (yellow fireworks), Barium Chloride (green fireworks) and Copper Chloride (blue fireworks). Purple fireworks are typically produced by use of a mixture of Strontium (red) and Copper (blue) compounds.
31. (D) The Ph.D. is a doctoral degree, specifically called a “doctor of philosophy” degree, which is misleading because Ph.D. holders are not necessarily philosophers, unless they earned their degree in philosophy.
32. (A) Satyagraha is the quintessence of Gandhian thought. This idea and its practice were the centre of Mahatma Gandhi’s life and his contribution to the world. Literally Satyagraha means truth force or truth power. Gandhiji defined it as the force which is born of truth and love for non-violence.
33. (B) A gene that is a mutated (changed) form of a gene involved in normal cell growth. Oncogenes may cause the growth of cancer cells. Mutations in genes that become oncogenes can be inherited or caused by being exposed to substances in the environment that cause cancer.
34. (A) The tropical rainforest is a hot, moist biome found near Earth’s equator. The world’s largest tropical rainforests are in South America. Tropical rainforests exhibit high levels of biodiversity. Around 40% to 75% of all biotic species are indigenous to the rainforests. Rainforests are home to half of all the living animal and plant species on the planet.
35. (C) When a ship enters a sea from a river, the ship is elevated or uplifted due to the density of sea water and during the buoyant motion of the ship, as it would gain both potential and kinetic energy when rising in the fluid.
36. (A) The largest blood vessel in the human body is the aorta. Rising up from the left ventricle of the heart, the aorta curves down and passes through the chest cavity and into the abdomen. Arteries, which carry blood under direct pressure from the heart, tend to be thicker and more elastic than veins, which carry blood back to the heart.
37. (C) Bab el-Mandeb Strait, Arabic Bab al-Mandab, strait between Arabia (northeast) and Africa (southwest) that connects the Red Sea (northwest) with the Gulf of Aden and the Indian Ocean (southeast). The strait is 20 miles wide and is divided into two channels by Perim Island; the western channel is 16 miles across, and the eastern is 2 miles wide.
38. (C) Market Segmentation is a process of dividing the market of potential customers into different groups and segments on the basis of certain characteristics. The member of these groups share similar characteristics and usually has one or more than one aspect common among them.
39. (B) The ‘plum pudding’ model of the atom was proposed by JJ Thomson, who had also discovered the electron. It was put forth before the discovery of the nucleus.
40. (C) Heart attacks are caused by the blood supply to the heart being suddenly interrupted. Without this supply, heart muscles may be damaged and begin to die.
42. (C) The light-year is a unit of length used to express astronomical distances. It is about 9.5 trillion kilometres or 5.9 trillion miles. As defined by the International Astronomical Union (IAU), a light-year is the distance that light travels in vacuum in one Julian year (365.25 days).
- 44.(C) World Energy Conservation Day is celebrated on 14th December globally to

highlight the importance of energy consumption and its use in our day-to-day life, its scarcity and its impact on sustainability of global eco systems. It focuses our concentration on significant issues facing the future of mankind with respect to energy.

45. (D) Higher Education Funding Agency board approved projects worth Rs. 2066.73 Cr to improve the research infrastructure in six institutions - IITs Bombay, Delhi, Madras, Kharagpur, Kanpur and NIT Suratkal.

48. (D) The Odisha government has introduced 'Fish Pond Yojana', a state sponsored scheme, for creation of additional water bodies for freshwater aquaculture in 2,200 hectares of land.

49. (A) The Mahila Samridhi Yojana (MSY) was launched on 2nd October, 1993 with the objective of empowering the rural women through building thrift habit, self-reliance and confidence.

51. (B) ATQ,
 $2778 = 75 \times 37 + 3$
Hence, required number = **3**.

52. (A) ATQ,

$$\begin{array}{l} A \rightarrow 12 \times \frac{4}{3} \\ B \rightarrow 8 \times \frac{2}{1} \end{array} \left. \vphantom{\begin{array}{l} A \\ B \end{array}} \right\} 16 \left. \vphantom{16} \right\} 1$$

Hence, Required time = $\frac{16}{2 \times (1+1)}$
= **4 days**

53. (B) ATQ,
Area of 4 walls = $2h(l+b) = 600$
 $\Rightarrow l+b = \frac{600}{12} = 50$
 $\Rightarrow b = \mathbf{20\text{ cm}}$

54. (A) ATQ,
Required Selling Price
 $= \frac{2550}{(100-15)} \times (100-34.5) = \mathbf{\text{₹}1965}$

55. (C) ATQ,
 $\frac{25}{150} = \frac{22}{x}$
 $\Rightarrow x = \mathbf{132}$

56. (D) ATQ,
Numbers = 105, 112, 119, 126, 133, 140,

147, 154, 161, 168, 175.
Hence, Required average
 $= \frac{105+112+119+126+133+140+147+154+161+168+175}{11} = \mathbf{140}$

57. (D) ATQ,

$$\begin{array}{l} 5 \quad 11 \\ \quad \diagdown \quad \diagup \\ \quad 7 \\ \quad \diagup \quad \diagdown \\ 4 \quad 2 \\ 2 : 1 \end{array}$$

Hence, Required rice = $1200 \times \frac{2}{2+1}$
= **800 kgs**

58. (A) ATQ,

$b = \frac{a \times 30}{100} = \frac{3a}{10}$

then, b% of 30 = $\frac{30 \times \frac{3a}{10}}{100} = \frac{9}{100} a$

$\frac{9}{100} a \% \text{ of } a = \frac{\frac{9}{100} a \times 100}{a} = \mathbf{9\%}$

59. (C) ATQ,

Distance travelled by a bus without any 4 stoppage in one hour = 60 kms
Distance travelled by a bus with stoppage in one hour = 48 kms

Hence, Required time = $\frac{60 \times 60}{60} - \frac{48 \times 60}{60}$
= **12 mintues**

60. (C) ATQ,

$$\begin{array}{l} P \\ \quad \diagdown \quad \diagup \\ 500 \quad 500 \\ \quad \quad \quad | \\ \quad \quad \quad 80 \end{array}$$

Hence, Required rate = $\frac{80 \times 100}{500} = \mathbf{16\%}$

61. (D) ATQ,

$\frac{7.5}{3} - \frac{36}{30} \left(x - \frac{15}{2} \right) = \frac{-x}{5}$

$\Rightarrow \frac{25}{10} - \frac{6}{5} \left(x - \frac{15}{2} \right) = \frac{-2x}{10}$

$\Rightarrow \frac{25-12x+90}{10} = \frac{-2x}{10}$

$\Rightarrow -10x = -115$

$\Rightarrow x = \frac{115}{10} = \mathbf{\frac{23}{2}}$

62. (D) ATQ,

$$a + b = 10$$

$$\Rightarrow \text{then, } a - b = \sqrt{(10)^2 - 4 \times 24} = \sqrt{100 - 96}$$

$$= \sqrt{4}$$

$$\Rightarrow a - b = 2$$

$$\text{then, } a^3 - b^3 = (a - b)(a + b)^2 - ab$$

$$= 2(10^2 - 24) = \mathbf{152}$$

63. (D) ATQ,

$$2x + \frac{1}{x} = \frac{57}{20}$$

$$\Rightarrow 40x^2 - 30 - 57x = 0$$

$$\Rightarrow 40x^2 - 32x - 25x + 20 = 0$$

$$\Rightarrow 8x(5x - 4) - 5(5x - 4) = 0$$

$$\Rightarrow x = \frac{5}{8}, \frac{4}{5}$$

64. (C) ATQ,

$$a + 2d - a - 6d = -9 - 11$$

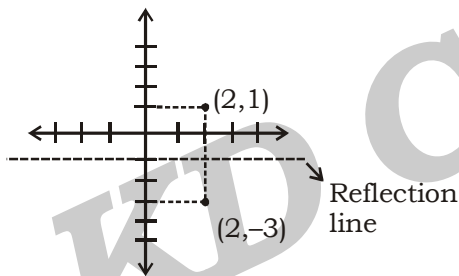
$$-4d = -20$$

$$d = 5$$

and $a = -19$

$$\text{then } T_{19} = a + 18d = -19 + 90 = \mathbf{71}$$

65. (D)



Hence, Required point = **(2, -3)**

66. (B) ATQ,

$$P(x, y) = \left(\frac{2 - 4 + 5}{3}, \frac{5 + 0 + 4}{3} \right) = (1, 3)$$

Hence, Required points = **(1, 3)**

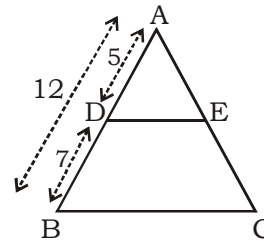
67. (C) ATQ,

$$\frac{-2}{3} = \frac{2 - (-3)}{5 - x}$$

$$\Rightarrow -10 + 2x = 15$$

$$\Rightarrow x = \frac{25}{2} = \mathbf{12.5}$$

68. (B) ATQ,



$$\frac{\text{area of } \triangle ADE}{\text{area of } \triangle ABC} = \frac{(5)^2}{(5 + 7)^2} = \frac{25}{144}$$

then, area of BDEC = 144 - 25 = 119

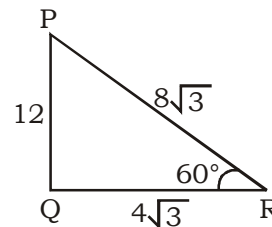
$$\text{Hence, area of ADE : area of BDEC} = \mathbf{25 : 119}$$

69. (D) ATQ,

$$\cos 60^\circ - \cos 45^\circ = \frac{1}{\sqrt{3}} - \frac{1}{\sqrt{2}}$$

$$= \frac{\sqrt{2} - \sqrt{3}}{\sqrt{6}}$$

70. (C) ATQ,



$$\text{then, } \cos 60^\circ = \frac{4\sqrt{3}}{PR}$$

$$\Rightarrow PR = 2 \times 4\sqrt{3} = \mathbf{8\sqrt{3} \text{ cm}}$$

71. (D) ATQ,

$$\tan \theta = \frac{9}{40} = \frac{P}{B}$$

$$\text{then, } H = \sqrt{P^2 + B^2} = \sqrt{40^2 + 9^2} = \mathbf{41}$$

$$\operatorname{cosec} \theta = \frac{H}{P} = \frac{\mathbf{41}}{9}$$

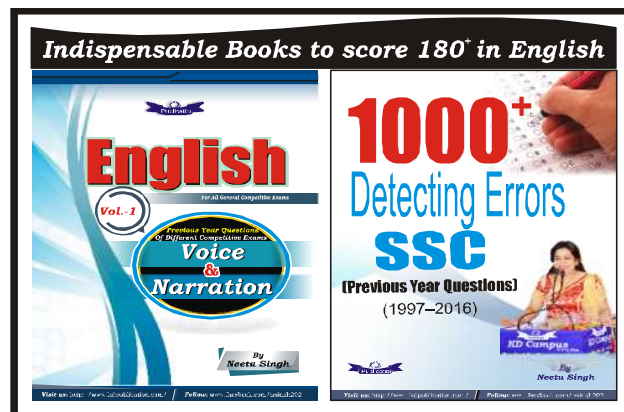
72. (B) **C**

73. (D) Required number = 75 + 30 - 35 = **70**

74. (A) Required number = 75 - 25 + 35 = **15**

MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Carnal	Relating to physical, especially sexual, needs and activities	दैहिक
Chaste	Austere, pure	पवित्र
Connate	(especially of ideas or principles) existing in a person or thing from birth, innate	जन्मजात
Disposition	A person's inherent qualities of mind and character	स्वभाव
Dote	(dote on/upon) be extremely and uncritically fond of, adore	बेहद प्यार करना
Gawk	Stare openly and stupidly	बुरी नजर से घूरना
Gaze	Look steadily and intently	घूरना
Iconoclast	A person who attacks or criticizes cherished beliefs or institutions, Heretic	रिवाज तोड़नेवाला
Ignite	Catch fire or cause to catch fire, Kindle	जलाना, चिंगारी लगाना
Importune	Harass (someone) persistently for or to do something	जिद करना
Incinerate	To cause to burn to ashes, burn, cremate	भस्म कर देना
Innate	Inborn, natural	जन्मजात
Intrinsic	Belonging to the essential nature, built-in	मूलभूत
Leer	Look or gaze in a lascivious or unpleasant way	कुदृष्टि डालना
Litigate	Resort to legal action to settle a matter	मुकदमा करना
Maxim	A statement expressing a general truth or rule of conduct	नीति वचन
Neurotic	Having, caused by, or relating to neurosis	एक प्रकार से मानसिक रूप से पीड़ित
Ogle	Stare at in a lecherous manner, Leer at, gawk at	गंदी नजर से देखना
Pander	Gratify or indulge (an immoral or distasteful desire or taste or a person with such a desire or taste)	नीच कार्य में सहायता देना
Parch	Make or become dry through intense heat	झुलसा देना
Predilection	A preference or special liking for something,	झुकाव
Quench	Satisfy (one's thirst) by drinking	प्यास बुझाना
Sensual	Relating to or involving gratification of the senses and physical, especially sexual pleasure	कामुक

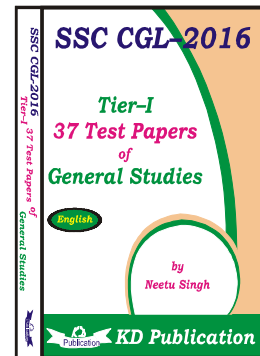


SSC MOCK TEST - 126 (ANSWER KEY)

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

84. (C) 'Providence smile upon' means 'someone is especially lucky, fortunate, or successful, good things tend to happen to someone'.
85. (D) look at something
86. (A) 'GEAR' will replace 'GEARS' as you put the car in one gear at one time.
87. (B) Relative pronoun 'who' is used as sportsperson is the subject here who was won.
88. (A) Avail is followed by a reflexive pronoun and preposition 'of'.
89. (B) If an action was in continuation in the past, past continuous tense is used.

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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 931311777