SSC MOCK TEST – 136 (SOLUTION)

1. (B) Actor plays in a play and musician plays in a concert.

2. (C) E G I K : F I L O

    with +1, +2, +3, +4

    F H J L : **G J M P**

    with +1, +2, +3, +4
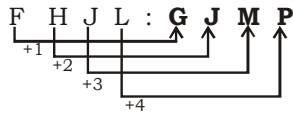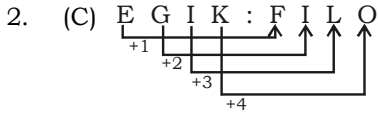
3. (B) 583 : 295 :: 486 : **378**

    5+8+3   2+9+5   4+8+6   3+7+8

    16   16   18   18

4. (A) Clearly, the answer is option (i). In all other pairs, the second one is the place to stay for the first one.

5. (B) W V U   N M L   H G F

    –1 –1   –1 –1   –1 –1

    D B A

    –2 –1
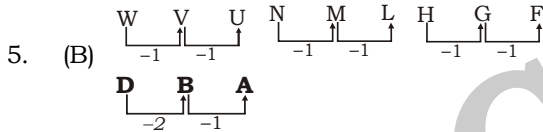
6. (D) $1629 \Rightarrow 1 + 6 + 2 = 9$

    $3418 \Rightarrow 3 + 4 + 1 = 8$

    $2349 \Rightarrow 2 + 3 + 4 = 9$

    $1834 \Rightarrow 1 + 8 + 3 \neq 4$

7. (B) Exploit → Explore → Explosive → Exponent → Exposition

8. (C) SECULAR

9. (C)

Letter	A	X	R	A	Y	W	H	T
Position in opposite As per Alphabet Letters	26	3	9	26	2	4	19	7

    ⇒ XRAY = 3 + 9 + 26 + 2 = 40
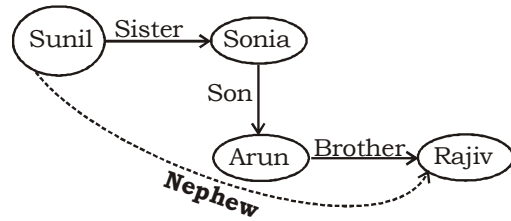
    ⇒ WHAT = 4 + 19 + 26 + 7 = **56**

10. (B) (10 C4) A (4 C4) B 6

    After taking the signs as per the given instruction,

    (10× 4) + (4× 4)–6

    = 40 + 16 – 6

    = 50

11. (D) $324 \oplus 289 = \sqrt{324} = \sqrt{289} = 18 + 17 = 35$

    $441 \oplus 484 = \sqrt{441} + \sqrt{484} = 21 + 22 = 43$

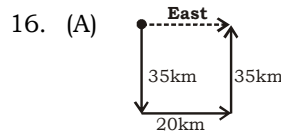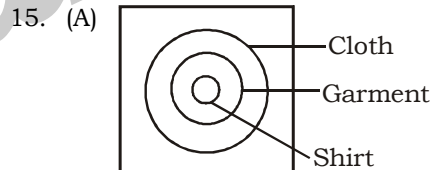 $625 \oplus 400 = \sqrt{625} + \sqrt{400} = 25 + 20 = \mathbf{45}$

12. (B) 63   72,   81,   90,   **99,**   108

    9×7   9×8   9×9   9×10   9×11   9×12

    +1   +1   +1   +1   +1

13. (A)

    Sunil — Sister → Sonia

    Sonia — Son → Arun

    Arun — Brother → Rajiv

    Sunil — Nephew → Rajiv
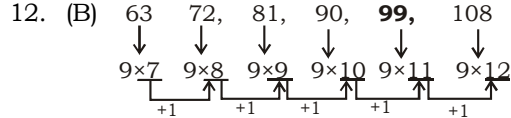
14. (C)

	M	D
Present age	$5x$	x
Age after 5 years	$5x + 5$	$x + 5$

    ATQ,

    $3(x + 5) = 5x + 5 \Rightarrow 3x + 15 = 5x + 5$

    $\Rightarrow x = 5$

    and $5x = 25$

    ∴ Present age of mother = 25 yrs.

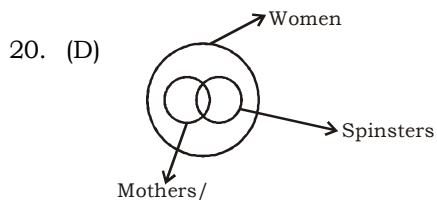15. (A) Cloth — Garment — Shirt

16. (A) East → 35km, 35km, 20km

    So, she is in the east from starting point.

17. (B) Only conclusion II follows.

18. (B) Total number of triangles = 18

19. (C) 7 × 8 = 56

    9 × **5** = 45

    11 × 9 = 99

20. (D) Women — Spinsters — Mothers/

21. (D)   22. (B)   23. (D)   24. (A)

25. (C) G A T E

    22 96 34 78

26. (A) Hard currency is currency that has been adopted as an acceptable payment method in multiple countries. Hard currencies are generally issued by developed countries that have a strong industrial economy accompanied by a stable government. The most common hard currencies include the U.K. pound sterling (GBP), the euro (EUR) and U.S. dollar (USD).

27. (A) The Union List is the longest of the three lists. It lists 97 subjects on which the Union Parliament can pass laws. The effective strength of the Union List is now 98. The main subjects of the Union List are: Defence, Foreign Affairs, War and Peace, Atomic Energy, Railways, Post and Telegraph, Citizenship, Banking, Insurance, National Highways, Census, Election, Institutions of higher education and others.

28. (B) Power sharing is the very spirit of democracy. Power can also be shared among different groups which differ socially like different religious and linguistic groups. 'Community Government' in Belgium is a good example of this type of power sharing. The system of reserved constituencies in India is another example.

29. (A) Public interest litigation is litigation for the protection of the public interest. The term PIL originated in the United States in the mid-1980s.

30. (D) Vijay Stambha (Tower of Victory) is a huge nine storey tower which was built by Maharana Kumbha to commemorate his victory over the Muslim rulers of Malwa and Gujarat in 1440 A.D. The tower is 122 ft. (37 m) high and stands on a 10 ft. (3.0 m) high base.

31. (C) Jerome Hayden Powell has been sworn-in as the new Chairman of the Federal Reserve for a four-year term on February 5, 2018.

32. (A) Deccan Traps is a very large igneous province located in west central India. It consists of more than 6,500 feet of flat-lying basalt lava flows and covers an area of nearly 200,000 square miles in west-central India.

33. (D) The Mettur Dam is one of the largest dams in India built in 1934. It was constructed in a gorge, where the Kaveri River enters the plains in Tamil Nadu. The dam is one of the oldest in India. It provides irrigation facilities to parts of Salem, the length of Erode, Namakkal, Karur, Tiruchirapalli and Thanjavur district for 271,000 acres of farm land. The total length of the dam is 1,700 m. The dam creates Stanley Reservoir.

34. (B) Ravi Shankar, colloquially known as Sri Sri Ravi Shankar is a spiritual leader and founder of the Art of Living Foundation (founded 1982), which aims to relieve individual stress, societal problems and violence global values.

35. (B) The separation of powers, often imprecisely used interchangeably with the tries political principle, is a model for the governance of a state. The normal division of branches is into a legislature, an executive, and a judiciary. Division of powers is the often overlooked principle of dividing governmental power among the federal, state, and local governments.

37. (D) According to the Constitution of India, the role of the Supreme Court is that of a federal court and guardian of the Constitution. The Federal Court of India was a judicial body, established in India in 1937 under the provisions of the Government of India Act 1935, with original, appellate and advisory jurisdiction. It functioned until 1950, when the Supreme Court of India was established.

39. (B) The pressure exerted by a static fluid depends only upon the depth of the fluid, the density of the fluid and the acceleration of gravity. The pressure in a static fluid arises from the weight of the fluid and is given by the expression static fluid = dgh, where d = fluid density, g = acceleration due to gravity and h = depth of fluid. Static fluid pressure does not depend on the shape, total mass or surface area of the liquid.

40. (D) Most Tsunami are caused by earth quakes generated in a seduction zone, an area where an oceanic plate is being forced down into the mantle by plate
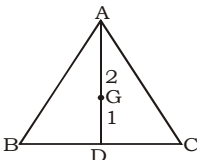
tectonic forces. The friction between the sub-ducting plate and the overriding plate is enormous.

42. (C) The different parts of a flower are calyx, corolla, androecium and gynoecium. Calyx and corolla are accessory organs, while androecium and gynoecium are reproductive organs. Photosynthetic activity is found in the calyx, green shoulder, pericarp and locular parenchyma. It suggests that all of these tissues have significant roles in CO_2 scavenging and the provision of carbon assimilates.

45. (C) It was on 4th December 1829, when the practice was formally banned in all the lands under Bengal Presidency by Lord William Bentinck. By this regulation, the people who abetted sati were declared guilty of "culpable homicide".

47. (C)● Saliva: It is secreted by the salivary glands, Sweat achieved by the water-rich secretion of the eccrine glands.
   ● Epinephrine: Also known as adrenaline is a hormone and a neurotransmitter.
   ● Bile: It is a bitter-tasting dark green to yellowish brown fluid produced by the liver that aids the process of digestion of lipids in the small intestine.
   ● Bile is the odd one among all four as it is secreted by liver, while others are secreted by glands.

48. (B) Snakes have the maximum number of ribs. On an average they have 200 to 400 bones (Vertebrae) and each has a pair of ribs on either side.

50. (C) On February 8, 2018, Central Government announced that it has approved the construction of over 1.86 lakh more houses for urban poor under the Pradhan Mantri Awas Yojana (Urban) scheme. With this approval, total number of affordable houses sanctioned under this scheme has reached 39.25 lakhs.

51. (C)
$$X \longrightarrow p$$
$$Y \longrightarrow q$$
$$\frac{pq}{p+q}$$

$(X + Y)$ can do the whole work in $\dfrac{pq}{p+q}$ days

52. (A)
$$\text{C.P.} \quad \xrightarrow{+40\%} \quad \text{M.P.} \quad \xrightarrow{-25\%} \quad \text{S.P.}$$
$$100 \quad\quad\quad 140 \quad\quad\quad 105$$
Proft = **5%**

53. (B)
I		II
25	:	100
1	:	4

3 units

3 units = 12

1 unit = $\dfrac{12}{3}$ = 4

4 units = 4 × 4 = 16

∴ Larger number = **16**

54. (B) Speed of train = $\dfrac{(500+221)}{35} \times \dfrac{18}{5}$

= **74.16 km/h**

55. (B) $\dfrac{x}{1+x+x^2} = \dfrac{x}{x\left(\dfrac{1}{x}+1+x\right)}$

= $\dfrac{1}{x+\dfrac{1}{x}+1}$ = $\dfrac{1}{5+1}$ = $\dfrac{1}{6}$

56. (B)

We know that centroid of a Δ divide the median into 2 : 1

∴ AG : AD = **2 : 3**

57. (B) $7(a+6d) = 11(a+10d)$
⇒ $7a + 42d = 11a + 110d$
⇒ $4a + 68d = 0$
⇒ $a + 17d = 0$
⇒ $a + (18-1)d = 0$
∴ 18th term = **0**

58. (C) Average age = $40 - \dfrac{(55-39)}{8}$

= $40 - \left(\dfrac{16}{8}\right)$ ⇒ $40 - 2$ = **38 years**

59. (D) Length of transverse common tangent

= $\sqrt{10^2 - (3+3)^2}$

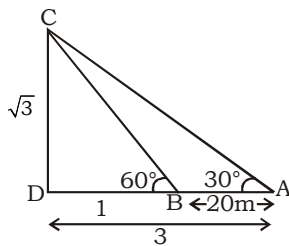= $\sqrt{100-36}$ = $\sqrt{64}$ = **8 cm**

60. (A)
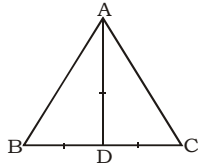
$AD = \dfrac{1}{2} BC$

∴ $AD = BD = CD$

This is possible only in right angled triangle

∴ $\angle BAC$ = **90°**

61. (C)

Let $CD = \sqrt{3}$ units

In ΔBCD,

$CD = \sqrt{3}$ units

$BD = 1$ unit

In ΔACD,

$CD = \sqrt{3}$ units

$AD = 3$ units

$AB = AD - BD = 20$ m

$(3 - 1)$ units $= 20$ m

1 unit $= 10$ m

$\sqrt{3}$ units $= 10\sqrt{3}$ m

∴ Height of tower = **$10\sqrt{3}$ m**

62. (D)
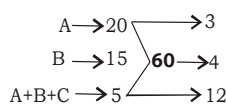
One day work of C $= 12 - (3 + 4) = 5$

∴ Time Taken by C = $\dfrac{60}{5}$ = **12 days**

63. (D) Let the number of small balls = n

ATQ,

Volume of large sphere = Total Volume of small spheres

$\dfrac{4}{3}\pi \times 6 \times 6 \times 6 = \dfrac{4}{3}\pi \times \dfrac{3}{10} \times \dfrac{3}{10} \times \dfrac{3}{10} \times n$

⇒ n = **8000**

64. (C) Let the number of apples he ate = x

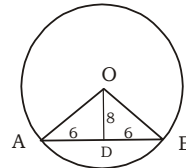The number of apples which is sold = $\dfrac{7x}{5}$

ATQ,

$\dfrac{7x}{5} = 70 \Rightarrow x = $ **50**

65. (B) Distance which is travel to pass a person = length of train

Time taken to pass a person

= $\dfrac{100}{120 \times \dfrac{5}{18}}$ ⇒ $\dfrac{100 \times 18}{120 \times 5}$ = **3sec**

66. (D)

$OA = OB = \sqrt{8^2 + 6^2}$

Radius = 10 cm

Diameter = **20cm**

67. (B) The point which is equidistant from the side of the triangle is incentre.

68. (A)

```
84)8961(106
   84
   ───
   561
   504
   ───
    57
```

Required number $= 84 - 57 = $ **27**

69. (B) Age of teacher $= 40 \times \dfrac{3}{12} + 15$ yrs

= **25 yrs**

70. (C) $4\angle A = 3\angle B = 12\angle C$

$\angle A : \angle B : \angle C = 3 \times 12 : 12 \times 4 : 4 \times 3$

$= 36 : 48 : 12$

$= 3 : 4 : 1$

$\angle A = \dfrac{180}{8} \times 3 = $ **67.5°**

71. (C) $\sin\theta + \mathrm{cosec}\,\theta = 2$

Then, $\sin^n\theta + \mathrm{cose}^n\theta = $ **2**

72. (B) $135° = 31500$

$75° = \dfrac{31500}{135} \times 75 = 17500$

Price of gold in 2011 = **₹17500**

73. (B) Required ratio = $45 : 135 = $ **1 : 3**

74. (D) Required Percentage

= $\left(\dfrac{135 - 75}{75}\right) \times 100 = $ **80**

75. (B) Required Ratio

= $\dfrac{(105 - 75) \times 100}{75} : \dfrac{(135 - 105)}{105} \times 100$

⇒ $\dfrac{30}{75} : \dfrac{30}{105}$

⇒ **7 : 5**

79. (C) If adjective of size, colour, age, etc. come together in a sentence, they should be used in the following order:

Opinion Size Age Shape Colour
1   2   3   4   5

Origin Material Purpose + Noun
6   7   8

Hence adjective of opinion (beautiful) should come before the adjective of colour (red). Thus replace 'a red beautiful balloon' with 'a beautiful red balloon'.

80. (C) If a word has negative meaning, we do not use 'not' with that word.
Words that do not take not with them are: unless, until, deny, prohibit, lest, hardly, barely, rarely and scarcely. Hence replace 'does not have' with 'has'.

81. (C) Replace 'charged straight after me' with 'charged straight at me'. 'Charge at someone' means 'to rush forward to attack'

82. (D) 'Assure' someone means 'to tell someone something positively to dispel any doubt'. (दिलासा देना)

83. (A) 'Insist' takes preposition 'on' with it.

84. (C) After 'do/ does', first form (plural form) of verb is used. Hence only option (C) is correct.

91. (B) The preposition 'by' is used in many different ways. Sometimes 'by' is used for 'point of time' as a preposition of time. When 'by' is used for time, the meaning is 'not later than'.
Ex: I expect to finish my work by Friday. (Not later than Friday).

92. (A) According to the meaning of the sentence it should be 'whole'.

93. (A) If a noun is followed by an infinitive, an appropriate preposition must follow the infinitive. Add 'with' after 'to write'.

94. (A) Thumb rules for making question tag:
**(i)** The sentence and Question Tag must be in the same Tense.
**(ii)** If the Question Tag is positive, the Question Tag must be negative.
(iii) Always use pronoun is Question Tag. Hence according to the rule 'doesn't he' should come.
For more details: Refer to Chapter Question Tag of **Volume-1**

95. (C) The verb used after the relative pronoun depends upon the antecedent used before the relative pronoun. Here the antecedent (those) is plural. Hence the verb must also be plural. Thus replace 'likes' with 'like'.
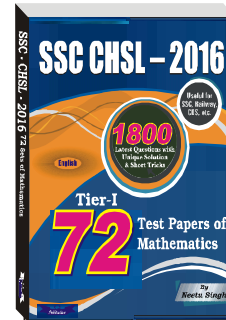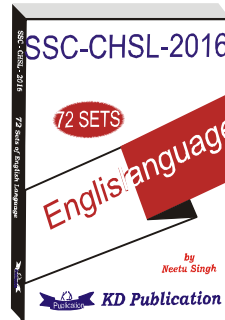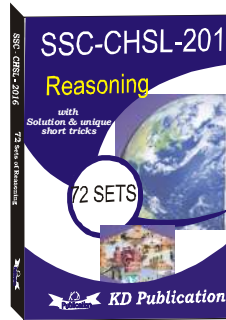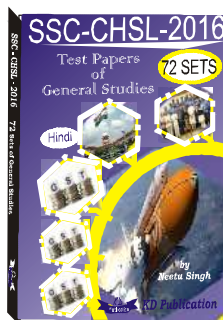
MEANINGS IN ALPHABETICAL ORDER

| Word	Meaning in English	Meaning in Hindi
Autobiography	the biography of a person narrated by himself or herself	आत्मकथा
Bibliography	a list of books referred to in a scholarly work	ग्रंथ-सुची
Biography	a usually written history of a person's life	जीवनी
Carcass	the dead body of an animal	किसी जानवर का मृत शरीर
Comrade	an intimate friend or associate	मित्र, संगी
Contemporary	happening, existing, or living during the same period of time	समकालिन
Eavesdrop	to listen secretly to what is said in private	छिप कर बात सुनना
Encroach	to enter stealthily into the possessions or rights of another	अतिक्रमण करना
Enigma	something hard to understand or explain	पहेली, गूढ़ प्रश्न
Flare-up	a sudden bursting (as of a smouldering fire) into	अचानक आग भड़कना
Flare-up	a sudden occurrence or expression of anger	अचानक क्रोधित होना
Inert	very slow to move or act	सुस्त
Inertia	a tendency to do nothing or remain unchanged	आलस्य, निष्क्रियता
Interrupt	to stop or hinder by breaking in	हस्तक्षेप करना, दखल देना
Languor	weakness or weariness of body or mind	सुस्ती, शिथिलता
Pious	showing reverence for deity and devotion to divine worship	धर्मनिष्ठ, भक्त
Plead	to argue a case in a court of law, to request	तर्क के रूप में प्रस्तुत करना, याचना करना
Renegade	a deserter from one faith, cause, or allegiance to another	स्वधर्मत्यागी
Riddle	something that is hard to understand	पहेली, रहस्य
Stupor	a condition in which someone is not able to think normally because of being drunk, drugged or tired	अचेतना, मूर्छा
Vigour	strength, energy, or determination	जोश, ताकत, शक्ति

SSC MOCK TEST - 136 (ANSWER KEY)

1.	(B)	26.	(A)	51.	(C)	76.	(B)
2.	(C)	27.	(A)	52.	(A)	77.	(B)
3.	(B)	28.	(B)	53.	(B)	78.	(A)
4.	(A)	29.	(A)	54.	(B)	79.	(C)
5.	(B)	30.	(D)	55.	(B)	80.	(C)
6.	(D)	31.	(C)	56.	(B)	81.	(C)
7.	(B)	32.	(A)	57.	(B)	82.	(D)
8.	(C)	33.	(D)	58.	(C)	83.	(A)
9.	(C)	34.	(B)	59.	(D)	84.	(C)
10.	(B)	35.	(B)	60.	(A)	85.	(C)
11.	(D)	36.	(A)	61.	(C)	86.	(B)
12.	(B)	37.	(D)	62.	(D)	87.	(D)
13.	(A)	38.	(B)	63.	(D)	88.	(D)
14.	(C)	39.	(B)	64.	(C)	89.	(B)
15.	(A)	40.	(D)	65.	(B)	90.	(A)
16.	(A)	41.	(A)	66.	(D)	91.	(B)
17.	(B)	42.	(C)	67.	(B)	92.	(A)
18.	(B)	43.	(D)	68.	(A)	93.	(A)
19.	(C)	44.	(C)	69.	(B)	94.	(A)
20.	(D)	45.	(C)	70.	(C)	95.	(B)
21.	(D)	46.	(B)	71.	(C)	96.	(B)
22.	(B)	47.	(C)	72.	(B)	97.	(A)
23.	(D)	48.	(B)	73.	(B)	98.	(B)
24.	(A)	49.	(C)	74.	(D)	99.	(B)
25.	(C)	50.	(C)	75.	(B)	100.	(A)
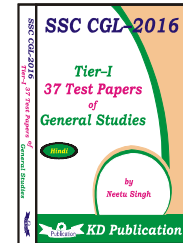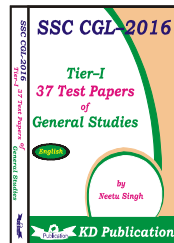
Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003

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