SSC MOCK TEST – 174 (SOLUTION)

1. (C) As, Flat is antonym of uneven.
   Similarly, Chaotic is antonym of Methodical.

2. (B) As, A   F   D   K   :   G   O
   1 + 6   4 + 11   7   15

   Similarly, E   H   C   G   :   **M   J**
   5 + 8   3 + 7   **13   10**

3. (D) As, $75 : 40 \rightarrow 75 - (7 \times 5) = 40$
   Similarly, $87 \rightarrow 87 - (8 \times 7) = $ **31**

4. (B) Except **Salary**, others are ways of investment.

5. (D) $79 : 60 \rightarrow (7 - 1) \times (9 + 1) = 60$
   $84 : 35 \rightarrow (8 - 1) \times (4 + 1) = 35$
   $87 : 56 \rightarrow (8 - 1) \times (7 + 1) = 56$
   $54 : 18 \rightarrow (5 + 1) \times (4 - 1) = 18$

6. (C) $J \xrightarrow{-1} I \xrightarrow{-1} H$

   $R \xrightarrow{-1} Q \xrightarrow{-1} P$

   $X \xrightarrow{-1} W \xrightarrow{-1} V$

   $M \xrightarrow{+1} N \xrightarrow{+1} O$

7. (C) **24153**

8. (A) $\underset{\times 1 + 1^2}{5}, \underset{\times 2 + 2^2}{6}, \underset{\times 3 + 3^2}{16}, \underset{\times 4 + 4^2}{57}, \underset{\times 5 + 5^2}{244}, \mathbf{1245}$

9. (B) a **a** b c **d** a **b** b c d a b c **c** d a **b** c d **d**

10. (A)

    $\therefore$ Rohan is in **west** direction from starting point

11. (D)
    A⁻
    |
    B — C⁻
    | |
    E⁻ — D⁺

    $\because$ Gender of B is not specified.
    $\therefore$ Relation cannot be determined

12. (D) **INITIAL**

13. (A) As, R   A   I   N = 8 → (18 + 1 + 9 + 14)
        18 1 9 14
    $= 42 \rightarrow (4 \times 2) = 8$
    and D   R   A   I   N = 24 → (4 + 18 + 1 + 9 + 14)
        4 18 1 9 14

$= 46 \rightarrow (4 \times 6) = 24$
Similarly, B   R   O   W   S   E → (2 + 18 + 15
         2 18 15 23 19 5
+ 23 + 19 + 5) = 82 → (8 × 2) = 16

14. (B) $5 + 4 - 28 \times 7 \div 24$
   After interchanging the signs as per given detail,
   $5 - 4 \times 28 \div 7 + 24 = $**13**

15. (B) As, $3^{\#} \times 9 = 3 \rightarrow 3^3 \div 9 = 3$
   and $4^{\#} \times 4 = 16 \rightarrow 4^3 \div 4 = 16$
   Similarly, $6^{\#} \times P = 24 \rightarrow 6^3 \div p = 24$

   $\Rightarrow \dfrac{216}{24} = P$

   $\therefore$ P = **9**

16. (D) As, $4^1 + 2^2 + 5^3 + 3^4 = 214$
   and $9^1 + 8^2 + 6^3 + 2^4 = 305$
   Similarly, $3^1 + 9^2 + 2^3 + 5^4 = $ **717**

17. (A) 16 triangles

18. (C)

    I. Can't say
    II. False
    $\therefore$ **None follows**

19. (B)

20. (D)

21. (A)
22. (D)
23. (B)
24. (D)
25. (B) D   A   I   L   Y
       ↓   ↓   ↓   ↓   ↓
       95   42   59   79   24

26. (A) The Union Home Minister Shri Rajnath Singh launched Emergency Response Support System (ERSS) for Himachal Pradesh at Mandi on November 28, 2018. Himachal Pradesh is the first state to launched PanIndia single emergency number '112' under ERSS.

27. (D) Donbass directed by Sergei Loznitsa has won the coveted Golden peacock Award at the 49th International film festival of India (IFFI), which concluded in Goa on November 28, 2018.

28. (D) Shri A.M. Naik has been appointed as chairman of National skill Development Corporation (NSDC) by the Ministry of skill Development and Entrepreneurship. Currently Shri Naik is the Group chairman of India's biggest engineering and construction conglomerate Larsen & Toubro Limited (L & T).

29. (B) In Arunachal Pradesh, Maitree Diwas, a multicultural social event, organized at Tawang on November 28th and 29th. Maitree Diwas aims at celebrating the strong spirit of friendship and bonhomie that exists between the civilians and the Indian Army.

30. (B) The KONKAN series of exercise commenced in 2004, and since then has grown in scale. KONKAN-2018 began on 28 November, 2018 off Goa with units participating from both navies.

31. (C) The Government has launched a unique initiative called 'Bhasha Sangam' to introduced school student to 22 Indian languages. The initiative, under Ek Bharat Shrestha Bharat, was launched on 22nd of this month and will continue till the 21st December. Bharat Sangam is a programme for school and educational institutions to provide multilingual exposure to students in Indian languages. Another objective of Bhasha Sangam is to enhance linguistic tolerance and respect and promote national integration.

32. (D) Arvind Saxena has been appointed as chairman of Union Public Service Commission, (UPSC). The term of his appointed will be till 7th of August, 2020 when he attains 65 years.

33. (C) Iravatham Mahadevan, 88 one of the world's leading scholars on the Indus Valley Script, and a man of many accomplishments, passed away on November 26.

34. (A) Vice President M.Venkaiah Naidu inaugurated the CITI Global Textiles conclave 2018 in New Delhi on November 27. He called for modernization of textile industry by providing required skill, investment and market to recapture India's past glory in the textiles sector.

35. (C) Raksha Mantri Smt. Nirmala Sitaraman formally launched 'Mission Raksha Gyan Shakti' in New Delhi on November 27, 2018. As part of ongoing initiatives to enhance self reliance in defence, the Department of Defence production has instituted a new framework titled 'Mission Raksha Gyan Shakti' which aims to provide a boost to the IPR culture in indigenous defence industry. The directorate General of Quality Assurance (DGQA) has been entrusted with the responsibility of coordinating and implementing the programme.

36. (C) National Projects Construction Corporation Limited (NPCC) has been conferred with the status of Miniratna. Category-I by the government of India. The empowerment of Miniratna status to NPCC will help the company in taking speed decisions by enhancing the delegation of powers to the Board. NPCC, a schedule 'B' CPSE under the administrative control of Ministry of water Resources RD & GR, has also been awarded ISO 9001 : 2015 certification.

37. (D) A centralized electronic platform for processing interest subvention on bank loans to beneficiaries under Deendayal Antyodaya Yojana-National Urban Livelihoods Mission (DAY-NULM) named 'PAiSA-Portal for Affordable credit and Interest Subvention Access', was launched on November 26, 2018 in New Delhi. The web platform has been designed and developed by Allahabad Bank which is the Nodal Bank.

39. (A)

Name	SI units
1. density/mass density	kg/m^2
2. Surface density	kg/m^2
3. Specific Volume	m^3/kg
4. Capacitance	F(Farad)
5. Inductance	H(henry)

40. (D)
Application Layer 7 - (WWW browsers, NFS, SNMP, Telnet, HTTP, FTP)
Presentation Layer 6 - (encryption, ASCII, TIFF, GIF, JPEG, MPEG)
Session Layer 5 - (RPC, SQL, Net Bios)
Transport Layer 4 - (SPX, TCP, UDP)
Network Layer 3 - (Apple Talk, DDP, IP, IPX)
Datalink Layer 2 - (PPP, FDDI, ATM, HDLC)
Physical Layer 1 - (B8ZS, V.35, V.24, RJ45)

42. (A) The Greek ambassador Megasthenese (in the court of Chandra Gupta Maurya 324-300 BC) testifies of existence of a list of 153 kings whose regins had covered a period of about 6 of 3 years up till the. Megasthenese is known for his work 'India'.

43. (C) Sir William Jones founded the Asiatic Society on 15 January 1784 in a meeting presided over by Sir Robert Chambers, the chief justice of the supreme court at the fort william in Calcutta.

44. (A) Liver produces a digestive fluid known as bile. Liver release Bile into Gall Bladder, a small, pear-shaped organ located just below your liver in the upper right side of your abdomen.

45. (D) Vitamin B complex consists of 8 Vitamins namely B_1, B_2, B_3, B_5, B_6, B_7, B_9 and B_{12}. Vitamin B_1 is Thiamine, Vitamin B_2 is Riboflavin, Vitamin B_3 is Niacin, Vitamin B_5 is pantothenic acid, Vitamin B_6 is pyridoxine, biotin, folic acid and Vitamin B_{12} is cyanocabalamin.

48. (C) The Tropic of cancer divided India into almost 2 equal parts. It passes through 8 Indian State of India- Gujarat, Rajasthan, Madhya Pradesh, Chhattisgarh, Jharkhand, West Bengal, Tripura and Mizoram.

49. (D) A chain of Mountain running to India's western coast, approximately 30-50 km inland, the Ghat's traverse the states of Kerala, Tamil Nadu, Karnataka, Goa, Maharashtra and Gujarat.

50. (D) Four Indian State share Border with Bhutan (Arunachal Pradesh, Assam, West Bengal & Sikkim).

51. (C) Student appeared in the exam = $\left(1-\dfrac{1}{9}\right)$

= $\dfrac{8}{9}$

Total passed students = $\dfrac{8}{9} \times \dfrac{19}{24} = \dfrac{19}{27}$

Total Fail students = $\dfrac{8}{9} - \dfrac{19}{27} = \dfrac{5}{27}$

According to question

$\dfrac{5}{27}$ units → 500

1unit → $\dfrac{270 \times 500}{5}$ = 2700

Required number of students **= 27**

52. (A) Let, MP = 400
     SP = 300

⇒ CP × $\dfrac{125}{100}$ = 300

CP = 240
Then, MP : CP = 400 : 240 = **5 : 3**

53. (B) Marked price (MP) = 30

discount = 25% = $\dfrac{1}{4}$, then SP = $\dfrac{3}{4} \times 30$

= ₹22.5
SP of bat = 22.5 – 1.5
= 21
∴ CP of 120% = 21

CP = $\dfrac{21}{120}$ × 100 = ₹ **17.5**

54. (B) Milk = 100 L Added water = 20L
Then Mixture = 100 + 20 = 120
Ratio of Milk and water = 5 : 1

Mixture sold = 120 × $\dfrac{1}{5}$ = 24 ltr.

Remaining Mixture = 120 – 24

= 96L

```
         5      1
         M      W
        80L    16L
Sold mixture quantity added water  +24
         ─────────────
         80  :  40
         = 2 : 1
```

M:W ⇒ W:M = **1 : 2**

55. (B)
```
Offices          Rest
 400              56
      \    60    /
 4    /          \  340
```
Now, 4 units → 12
      1 unit → 3
      (4 + 340)units = 344 × 3 **= 1032**

56. (C) Initially A : B : C = $\dfrac{1}{4} : \dfrac{1}{5} : \dfrac{1}{6}$

= 15 : 12 : 10 = 37
By mistake A : B : C = 4 : 5 : 6 = 15

Required amount = $\dfrac{6}{15} \times 555 - \dfrac{10}{37} \times 555$

= 72

57. (C) $1 \to 3\dfrac{3}{8}$

$1 \to \dfrac{27}{8}$

$8 \to 27$

Then, $\sqrt[3]{8} \to \sqrt[3]{27}$

$2 \to 3$

∴ Required rate = $\dfrac{1}{2} \times 100$ **= 50%**

58. (B) ATQ.,

$$I^{st} \qquad II^{nd} \qquad III^{rd}$$
$$8 \quad : \quad 9$$
$$\qquad\qquad 3 \quad : \quad 4$$
$$\overline{8 \quad : \quad 9 \quad : \quad 12}$$

and, $8x \times 12x = 2400$

$\Rightarrow \quad x = 5$

Required numbers = 8×5, 9×5, 12×5
= 40, 45, 60

$\therefore$ Required sum = $40 + 45 + 60 = $ **145.**

59. (D) $2M = 3W = 4B$

14M + 12W + 12B can do 24 day

14M + 12W + 12B = 28M

Now, $M_1 D_1 = M_2 D_2$

$28\,M \times 24 = (28 + x)\,M \times 14$

$\Rightarrow \quad 28 + x = 48$

$\Rightarrow \quad x = $ **20**

60. (C)

$$A \to 10 \quad \searrow 6$$
$$B \to 12 \quad \nearrow^{60} 5$$

I^{st}	min $\to 6$		6 work $\to$ 1 day
IInd	min $\to 5$		1 work $\to \frac{1}{6}$ day
2	min $\to 11$		
$\times 5$	min	$\times 5$	5 work $\quad \dfrac{-5}{6}$ day
10		55	
$+\frac{5}{6}$		-5	$10\,\frac{5}{6}$ min

$\therefore$ Required times = $\mathbf{10\dfrac{5}{6}}$ **min.**

61. (A)

Speed	7 : 9
Time	$\times 4 : \times 6$
Distance	28 54

Time = $\dfrac{82}{16} = \mathbf{5\dfrac{1}{8}}$ **sec.**

62. (B) $11^1 + 12^2 + 13^3 + 14^4 + 15^5 + 16^6$

$1 + 4 + 97 + 6 + 5 + 6 = 29$ & unit digit
= 9

63. (A) $\dfrac{a-b}{3} = \dfrac{a+b}{7} = \dfrac{ab}{4} = K$

So, $a - b = 3K$ and

$a + b = 4K$

then $a = 5K$, $b = 2K$

$ab = 4K$

$5K \times 2K = 4K$

$K = \dfrac{2}{5}$

then, $ab = 4 \times \dfrac{2}{5} = \mathbf{\dfrac{8}{5}}$

64. (B) $y^{x+z} = 1024$

$\Rightarrow y^{x+z} = 2^{10}$

$\Rightarrow y = 2$

$x + z = 10$

$\Rightarrow z^{x+y} = 729$

$z = 9$

$\Rightarrow x + y = 10$

$\Rightarrow x + 9 = 10$

$x = 1$

Then, $(z + 1)^{x+y+1}$

$= (9 + 1)^{1+2+1}$

$= 60^4$

$= \mathbf{10,000}$

65. (A) $\tan 30° = \dfrac{h}{x}$

$\Rightarrow \dfrac{1}{\sqrt{3}} = \dfrac{h}{x} \Rightarrow x = h\sqrt{3}$

$\tan 60 = \dfrac{h}{100 - x}$

$\Rightarrow h = (100 - x) \times \sqrt{3} = (100 - h\sqrt{3}) \times \sqrt{3}$

$\Rightarrow 4h = 100\sqrt{3} \Rightarrow h = \mathbf{25\sqrt{3}\ m}$

66. (D) $\dfrac{(\sec x - \tan x)(\sec^2 x + \tan^2 x + \sec x + \tan x)}{(\sec x - \tan x)}$

$- 2\tan^2 x - \sec x.\tan x$

$\Rightarrow \sec^2 x + \tan^2 x + \sec x.\tan x - 2\tan^2 x - \sec x.\tan x$

$\Rightarrow \sec^2 x - \tan^2 x = \mathbf{1}$

67. (B) $\sin\alpha + \cos\beta = 2$

Put $\alpha = 90°$ $\beta = 0$

$\sin\left(\dfrac{2 \times 90 + 0}{3}\right) = \sin 60 = \dfrac{\sqrt{3}}{2} = \mathbf{\cos\dfrac{\alpha}{3}}$

68. (C) Put, $\theta = 45°$

$l = \sqrt{2} - \dfrac{1}{\sqrt{2}} = \dfrac{1}{\sqrt{2}}$, m $= \sqrt{2} - \dfrac{1}{\sqrt{2}} = \dfrac{1}{\sqrt{2}}$

Then, $l^2 m^2 (l^2 + m^2 + 3)$

$\left(\dfrac{1}{\sqrt{2}}\right)^2 \left(\dfrac{1}{\sqrt{2}}\right)^2 \left[\left(\dfrac{1}{\sqrt{2}}\right)^2 + \left(\dfrac{1}{\sqrt{2}}\right)^2 + 3\right]$

$\dfrac{1}{2} \times \dfrac{1}{2} \left[\dfrac{1}{2} + \dfrac{1}{2} + 3\right] = \dfrac{1}{4} \times 4 = \mathbf{1}$

69. (A) Let the side of square & equilateral Δ be x & a.

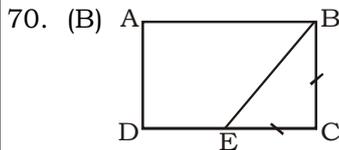$$x^2 = \frac{3\sqrt{3}}{4} \times \frac{\sqrt{3}}{4} a^2$$

$\Rightarrow \quad x = \frac{3}{4}a$

$\Rightarrow \quad \frac{x}{a} = \frac{3}{4}$

□ △
x a
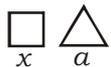
$\Rightarrow$ Ratio of perimeter
$4x \quad 3a$
$4 \times 3 \quad 3 \times 4$
1 : 1

70. (B)

Area of $\Delta BCE = \frac{1}{2} \times BC \times EC$

$14 = \frac{1}{2}EC^2$

$EC = 2\sqrt{7}$

Area of □ABCD = (CE + EC) × BC
= 4 EC × BC
= $4 \times 2\sqrt{7} \times 2\sqrt{7}$
= **112 unit².**

71. (C)
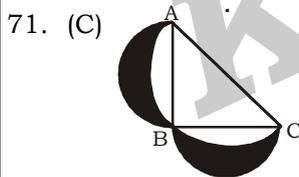
Area of shadded portion = sum area of semi-circles on BC, AB + Area of ΔABC – Area of semicicrle on AC.

$\pi \times 142 + \pi \times \left(\frac{21}{2}\right)^2 \times 21 \times 28 - \pi \left(\frac{35}{2}\right)^2$

$= \frac{22}{7} \times 14 \times 14 + \frac{22}{7} \times \frac{21}{2} \times \frac{21}{2} + 294 -$

$\frac{22}{7} \times \frac{35}{2} \times \frac{35}{2}$

= 616 + 346.5 + 294 – 962.5
= **294 cm²**

72. (B) Maximum increase in sales percentage

$= \frac{(90 - 63)}{60} \times 100 =$ **42.86%**

73 (A) Percentage increase in sale of pilet pen

from 2016 to 2017 $= \frac{(231 - 225)}{225} \times 100$

= 2.67%

Pen sold in 2018 $= 231 + \frac{2.67}{100} \times 231$

$\approx$ **237**

74. (D) Percentage of ferrari pen sold in **2013**

$= \frac{350}{825} \times 100 = 42.58\%$

75. (D) Percentage of Parker pen sold in 2015

$= \frac{73}{258} \times 100 = 28.29\%$

Percentage of Parker pen sold in 2016

$= \frac{91}{279} \times 100 = 32.61\%$

Percentage of Parker pen sold in 2017

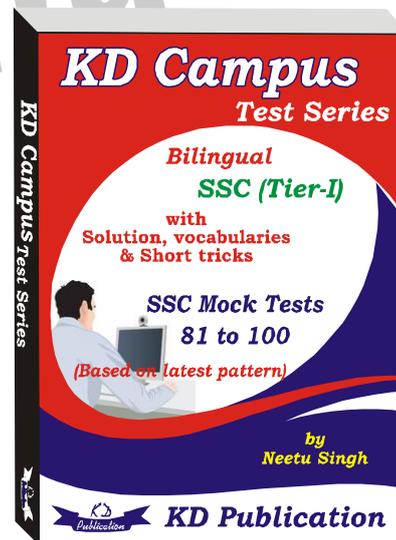$= \frac{109}{272} \times 100 =$ **40.07%**
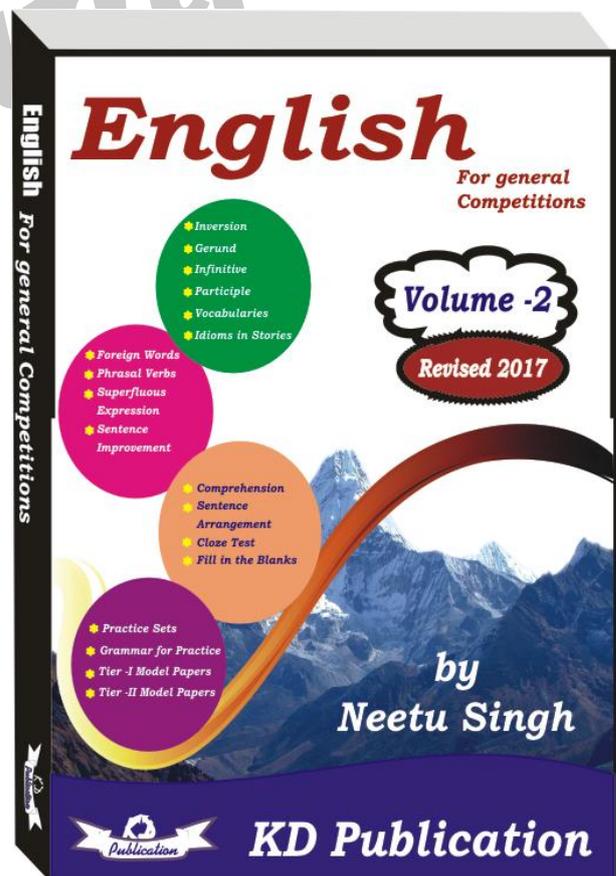
MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Enlisted	serving in the armed forces in a rank below the rank of officers	सेना में भर्ती
Demitted	to withdraw from office	निकलना
Veto	the right or power of a person in authority to decide that something such as a new law will not be approved	निषेधाधिकार
Nod	something done to show that someone or something has been chosen, approved, etc.	औपचारिक स्वीकृति
Dissent	to publicly disagree with an official opinion, decision, or set of beliefs	असहमत होना
Antediluvian	very old or old-fashioned	पुराना
Antiquated	very old and no longer useful, popular, or accepted	अप्रचलित
Parched	very dry especially because of hot weather and no rain	सूखा
Nonsectarian	not affiliated with or restricted to a particular religious group	गैर-साम्प्रदायिक
Mendicant	someone such as a member of a religious group who lives by asking people for money or food	भिक्षुणी
Wastrel	a person who wastes time, money, etc.	पैसा, समय बर्बाद करने वाला
Tender	to present for acceptance	निविदा
Aerate	to supply the blood with oxygen by respiration	वायु-प्रसार करना
Placate	to cause someone to feel less angry about something	सांत्वना देना
Gainsay	to deny or disagree with something	प्रतिवाद करना
Prudent	having or showing careful good judgment	विवेक, नीतिज्ञ
Anachronism	something such as a word, an object, or an event that is mistakenly placed in a time where it does not belong in a story, movie, etc.	कालभ्रम
Desecration	to treat a holy place or object with disrespect	अपवित्रता
Malapropism	an amusing error that occurs when a person mistakenly uses a word that sounds like another word but that has a very different meaning	शब्द का बेतुका और हास्यास्पद प्रयोग
Catechism	a collection of questions and answers that are used to teach people about the Christian religion	कटहिजम
Aphorism	a short phrase that expresses a true or wise idea	कहावत
Epigram	a short and clever poem or saying	चुटकुला
Innuendo	a statement which indirectly suggests that someone has done something immoral, improper, etc	वक्रोक्ति
Palate	the top part of the inside of your mouth	तालु
Glower	to look at someone or something in an angry way	गुस्सैल निगाह
Proffer	to offer or give something to someone	प्रस्ताव करना

SSC MOCK TEST - 174 (ANSWER KEY)

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

SSC CGL-2017

English

SSC CGL TIER-I, 2017 ENGLISH Solved Papers

Prepared by Neetu Singh

43 Sets

English Question Papers With Detail Explanations & 600+ Vocabularies

By Neetu Singh

Visit us: http://www.kdpublication.com/ | Follow: www.facebook.com/nsingh202

76. (A) Add 'has' before recently. According to the meaning of the sentence, the sentence should be in Present Perfect Tense where 'recently', 'already', 'yet' are used in Present Perfect Tense.

77. (B) Change 'with' into 'upon' because 'snoop upon' means 'to look around a place secretively'.

90. (B) Change 'off' into 'from' because 'indistinguishable' takes fixed preposition 'from' after it, which means 'unable to be recognized as different'.

91. (C) Change 'picked up' into 'picked at'.
Pick up: to increase or improve.
Pick out: to choose, find or recognize something or someone in a group.
Pick on : to criticize, annoy or punish
Pick at: to eat food in small pieces and without enjoyment.

KD Campus Test Series

Bilingual SSC (Tier-I)
with Solution, vocabularies & Short tricks

SSC Mock Tests 81 to 100
(Based on latest pattern)

by Neetu Singh

KD Publication

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