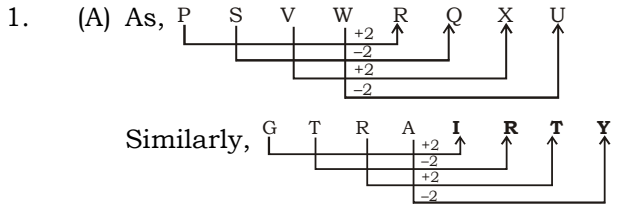
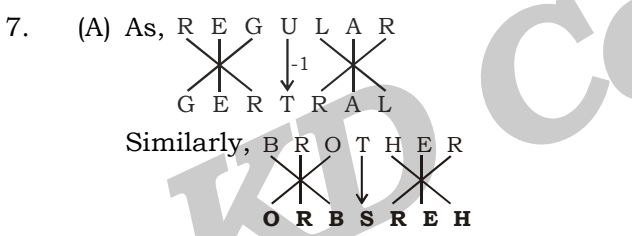
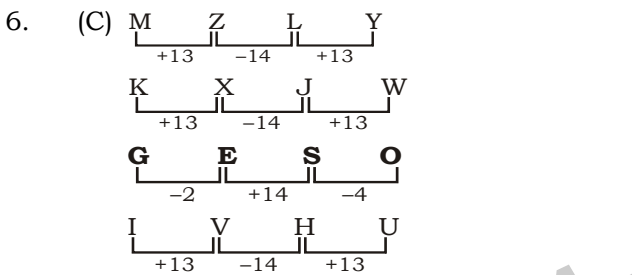


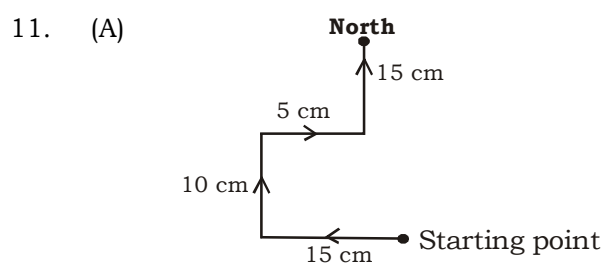
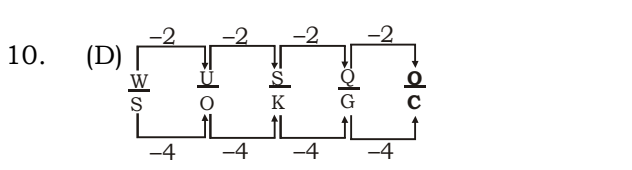
SSC MOCK TEST – 232 (SOLUTION)



2. (B) ISI is intelligence agency of Pakistan, while the Mossad is of Israel.
 3. (A) As, SO = 19 - 15 = 4, 4² = 16
 Similarly, XG = 24 - 7 = 17, 17² = **289**
 4. (A) Except, (A) all others cities are situated on the bank of the Ganga river.
 5. (D) 1629 ⇒ 1 + 6 + 2 = 9
 3418 ⇒ 3 + 4 + 1 = 8
 2349 ⇒ 2 + 3 + 4 = 9
1834 ⇒ 1 + 8 + 3 ≠ 4

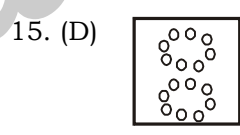
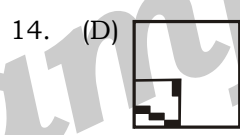


8. (A) As, FLOWER = (Total alphabet+1) × 2
 ⇒ (6 + 1) × 2 = 14
 And, DISTASTE = (8 + 1) × 2 = 18
 Similarly,
 BUREAUCRAT = (10 + 1) × 2 = **22**
 9. (C) 5 × 2 + 1 = 11
 11 × 2 - 1 = 21
 21 × 2 + 1 = 43
 43 × 2 - 1 = 85
 85 × 2 + 1 = **171**

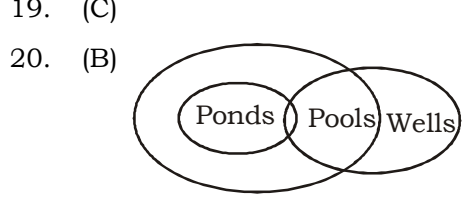


12. (D) 4 × 5 × 8 ⇒ 4 8 4
 a b c b c a
 7 × 3 × 9 ⇒ 3 9 7
 a b c b c a
 9 × 7 × 3 **7 3 9**
 a b c **b c a**

13. (D) The required ratio = $\frac{\frac{2}{3} + \frac{4}{9}}{\frac{1}{3} + \frac{5}{9}}$
 $= \frac{\frac{10}{9}}{\frac{8}{9}} = 5 : 4$



16. (A)
 17. (C)
 18. (B) ATQ,
 ⇒ 72 × 9 - 3 ÷ 8 + 2
 After changing sign according to question,
 = 72 ÷ 9 × 3 + 8 - 2
 = 8 × 3 + 8 - 2
 = 24 + 8 - 2
 = **30**



- I. × II. ✓ III. ×
 21. (C) I-dice 6 → 1, 4
 II-dice 6 → 3, 2
 If 1 is at bottom then **3** at the top.

22. (C)
23. (B) Clearly, the last bell rang 45 min before 7 : 45 am i.e., 7 : 00 am. But it happened five minutes before the priest gave the information to the devotee. So, the information was given at 7 : 05 am.
24. (B) b a **c** d **b** c b a **c** d b **c** b a **c** d b c
25. (D) Interview - Job - Probation - Confirmation - Promotion
31. (A) The Maximum number of questions to be placed on the list of Unstarred question is 230.
32. (A) Bhutia - Sikkim
Gond(SC) live in M.P., Maharashtra, Telangna, Andhra Pradesh, Bihar and Odisha.
Chenchu (S,T) live in Andhra Pradesh, Telangana Kanataka and Odisha.
33. (C) Jamini Roy was honoured with Padma Bhushan in 1954. He was one of the most famous pupils of Rabindranath Tagore.
Abanindranath Tagore was the creator of the Indian Society of Oriental Art. Nandlal Bose was the pupil of Abanindranath Tagore. He was best known for his 'Indian Style' of Painting. He was honoured by Padma Vibhushan in 1954.
34. (A) Askaryan effect is the phenomenon whereby a particle travelling faster than the phase velocity of light in dense dielectric, produces a shower of secondary charged particles which contains a charge anisotropy and thus emits a cone of coherent.
37. (B) Himadri - Great or Inner Himalayas
Himachal - Lesser Himalayas
Shiwaliks - outer Himalayas
40. (B) The maximum amount to be remitted through RTGS (Real Time Gross Settlement) is 10 lakh.
46. (A) Kaveri tributaries - Shimsha, Hemavati, Arkavati, Kabini, Bhavani, Lokapavani and Amaravati.
47. (C) Dmitri Mendeleev formulated the periodic law and created a foresighted version of the periodic table of elements.
Hans Chirstia Orsted discovered first connection between electricity and magnetism, piperine alkaloid and produced Aluminium in 1825.
Michal Faraday discovered electromagnetic induction (laws of electrolysis).
49. (B) **Author Books**
Ursula Vernon Dragon Breath, Harriet the Invincible, Curse

of the Were-Wiener and Giant Trouble.

Amal El-Mohtar The Grace of Kings, The Djinn Falls in Love and Other Stories etc.

Diksha Basu The Windfall

Bairaj Khanna Foreign Policy of India, Environmental Engineering and Dark Star etc.

51. (B) 4% = 6000

$$18\% = \frac{6000}{4} \times 18$$

$$= 27000$$

∴ Advertisement charges = ₹ 27000

52. (B) $x = \frac{(35 - 18)}{100} \times 360^\circ$

$$= \frac{17}{100} \times 360$$

$$= 61.2^\circ$$

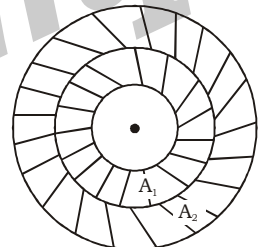
53. (C) Required central angle

$$= \frac{10}{100} \times 360^\circ$$

$$= 36^\circ$$

54. (A) Required ratio = 15 : 18
⇒ 5 : 6

55. (D)



Ratio of radii = 4 : 5 : 7
Let, $r_1 = 4x$, $r_2 = 5x$, $r_3 = 7x$
Now, $A_1 = \pi r_2^2 - \pi r_1^2$
⇒ $A_1 = \pi(25x^2 - 16x^2) = 9\pi x^2$
and, $A_2 = \pi r_3^2 - \pi r_2^2$
⇒ $A_2 = \pi(49x^2 - 25x^2) = 24\pi x^2$
The required ratio = $A_1 : A_2$
 $= 9\pi x^2 : 24\pi x^2 = 3 : 8$

56. (B) ATQ,

$$\pi R^2 H = \frac{4}{3} \pi r^3$$

$$\Rightarrow \pi \times 4 \times 4 \times H = \frac{4}{3} \pi \times 3 \times 3 \times 3$$

$$\Rightarrow H = \frac{9}{4} = 2.25 \text{ cm}$$

57. (C) **A : B : C**

$$3 : 2 : 1$$

$$\text{A receive} = \frac{3}{1} \times 1200 = ₹ 3600$$

58. (A) Let the speed of goods train

$$= x \text{ km/h}$$

A.T.Q.,

$$10 \times x = 4 \times 80$$

$$\Rightarrow x = 32 \text{ km/h}$$

59. (C) **A : B = 8 : 9**

$$\text{Let A's age} = 8x, \text{ B's age} = 9x$$

ATQ,

$$\frac{8x+9}{9x+9} = \frac{19}{21}$$

$$\Rightarrow 168x + 189 = 171x + 171$$

$$\Rightarrow 3x = 18 \Rightarrow x = 6$$

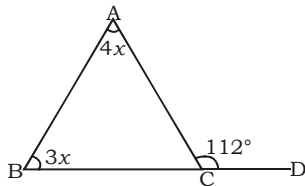
$$\text{A's age} = 8 \times 6 = 48$$

$$\text{B's age} = 9 \times 6 = 54$$

Here, C is 3 years younger to B.

Then, C's age = $54 - 3 = 51$ years

60. (B)



ATQ,

$$7x = 112^\circ$$

$$\Rightarrow x = 16^\circ$$

$$\therefore \angle B = 3x = 3 \times 16 = 48^\circ$$

61. (C) Total Amount

$$= 20,000 \times \frac{110}{100} \times \frac{112}{100} = ₹ 24640$$

62. (B) $\frac{4}{9} = 0.444;$

$$\sqrt{\left(\frac{9}{49}\right)} = \frac{3}{7} = 0.4285;$$

$$\sqrt{0.2025} = 0.45;$$

$$(0.8)^2 = 0.64$$

So, the least is $\sqrt{\frac{9}{49}}$.

63. (B) A.T.Q.,

$$x^4 + 1 = 14x^2$$

$$\Rightarrow x^2 + \frac{1}{x^2} = 14, \quad x + \frac{1}{x} = 4$$

$$\text{Now, } 3x + \frac{2}{x^2} + \frac{3}{x} + 2x^2$$

$$\Rightarrow 3\left(x + \frac{1}{x}\right) + 2\left(x^2 + \frac{1}{x^2}\right)$$

$$\Rightarrow 3 \times 4 + 2 \times 14$$

$$\Rightarrow 12 + 28 = 40$$

64. (C) Put $A = 4$ and $B = 0$

$$\text{Hence, } A^4 + B^4 = 4^4 + 0 = 256$$

65. (C) Let the sum be ₹ x after 2 years amount will be ₹5280 and then after 2 years amount will be ₹7920

$$\Rightarrow \frac{5280}{x} = \frac{7920}{5280}$$

$$\Rightarrow x = \frac{(5280 \times 5280)}{7920} = ₹ 3520$$

66. (A) A.T.Q.,

$$5 - 2\sin^2\theta - 7\cos\theta = 0, \quad (0^\circ < \theta < 90^\circ)$$

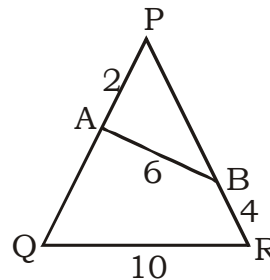
Put $\theta = 60^\circ$ in above equation and we find that it satisfy the give equation.

$$\text{Now, } \cot\theta + \cos\theta$$

$$\Rightarrow \cot 60^\circ + \cos 60^\circ$$

$$\Rightarrow \frac{1}{2} + \frac{1}{\sqrt{3}} = \frac{\sqrt{3} + 2}{2\sqrt{3}}$$

67. (D)



A.T.Q.,

$$PA = 12 \text{ cm, } BR = \frac{PA}{3}, \quad AB = \frac{PA}{2} = \frac{12}{2} = 6$$

$$\text{cm and } QR = PA - 2 = 10 \text{ cm}$$

$$\angle PBA = \angle PQR, \quad \angle APB = \angle QPR \text{ (common)}$$

$$\text{and } \angle PAB = \angle PRQ$$

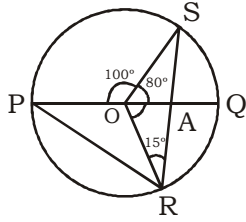
$$\text{Hence, } \Delta PBA \sim \Delta PQR$$

$$\frac{12}{PR} = \frac{6}{10} \Rightarrow PR = 20 \text{ cm}$$

$$\Rightarrow PR = PB + BR$$

$$\Rightarrow PB = 16 \text{ cm}$$

68. (C)



A.T.Q.,

We know that

$$\angle ROQ = 2 \angle RPQ$$

$$\Rightarrow \angle RPQ = \frac{70^\circ}{2} = 35^\circ$$

Similarly,

$$\Rightarrow \angle POS = 2 \angle PRS$$

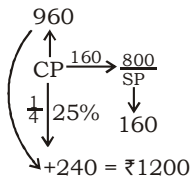
$$\Rightarrow \angle PRS = \frac{100^\circ}{2} = 50^\circ$$

In ΔPRA

As we know,

$$\Rightarrow \angle RAQ = \angle PRS + \angle RPQ = 50^\circ + 35^\circ = 85^\circ$$

69. (D)



70. (D) Let $A = 100$, $B = 100 \times \frac{100}{125} = 80$

$$C = (100 + 80) \times \frac{35}{100} = 63$$

The required percent

$$= \frac{100 - 63}{100} \times 100 = 37\%$$

71. (B) $\frac{\cos \theta}{1 - \sin \theta} + \frac{\cos \theta}{1 + \sin \theta} = 4$

$$\Rightarrow \cos \theta \left[\frac{1 + \sin \theta + 1 - \sin \theta}{(1 - \sin \theta)(1 + \sin \theta)} \right] = 4$$

$$\Rightarrow \cos \theta \left[\frac{2}{1 - \sin^2 \theta} \right] = 4$$

$$\Rightarrow \frac{2 \cos \theta}{\cos^2 \theta} = 4$$

$$\Rightarrow \cos \theta = \frac{1}{2} \Rightarrow \theta = 60^\circ$$

Now, $\tan \theta + \operatorname{cosec} \theta$

$$\Rightarrow \tan 60^\circ + \operatorname{cosec} 60^\circ$$

$$\Rightarrow \sqrt{3} + \frac{2}{\sqrt{3}} = \frac{5}{\sqrt{3}} = \frac{5\sqrt{3}}{3}$$

72. (B) Let three numbers = x , y and z
 ATQ.,

$$\frac{x+y}{2} + z = 168 \Rightarrow x + y + 2z = 336$$

$$\frac{y+z}{2} + x = 174 \Rightarrow y + z + 2x = 348$$

$$\text{and } \frac{z+x}{2} + y = 180 \Rightarrow z + x + 2y = 360$$

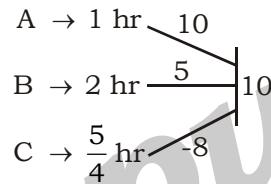
On solving the equations

$$4(x + y + z) = 336 + 348 + 360$$

$$\Rightarrow x + y + z = \frac{1044}{4} = 261$$

$$\text{The required average} = \frac{261}{3} = 87$$

73. (D) A, B can fill a tank and C can empty the filled up tank



A and C open together for 2 hours =

$$\frac{2}{10} \times 2 = \frac{4}{10} = \frac{2}{5}$$

Now, A is closed and B and C is open

$$\text{together} = \frac{-3}{10}$$

$\frac{2}{5}$ filled up tank can empty by B and C

$$\text{together in} = \frac{10}{3} \times \frac{2}{5} = \frac{4}{3} \text{ hr}$$

$$= 1 \text{ hr} : 20 \text{ min}$$

Tank empty at 12 : 20 PM.

74. (B) Abhi bought two article for ₹ 624

Let, CP of Ist article = x

CP of IInd article = $624 - x$

ATQ.,

$$x \times \frac{86}{100} = (624 - x) \times \frac{114}{110}$$

$$\Rightarrow 200x = 114 \times 624$$

$$\Rightarrow x = 355.68$$

CP of Ist article = 355.68

CP of IInd article = $624 - 355.68$

$$= 268.32$$

The required difference

$$= 355.68 - 268.32 = 87.36$$

75. (C) Volume of pipe = $\pi \times h(R^2 - r^2)$
 $= \frac{22}{7} \times 756 [(2.5)^2 - (1.5)^2]$
 $= 22 \times 108 \times 4 = 9504 \text{ cm}^3$
 given that $1 \text{ cm}^3 = 7.5 \text{ gram}$

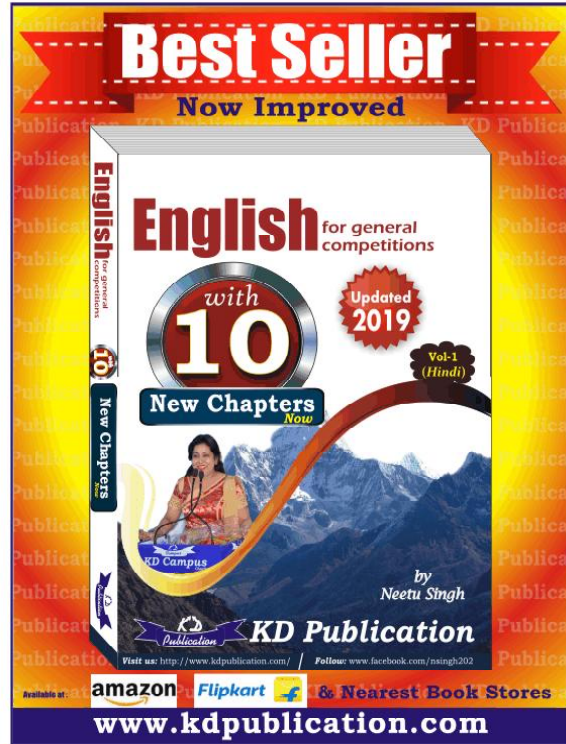
Weight of pipe = $7.5 \times 9504 \text{ gram}$
 $= 71280 \text{ gram}$
 $= \frac{71280}{1000} \text{ kg} = 71.28 \text{ kg}$

MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Accusation	claim that someone has done something illegal or wrong	आरोप
Bonanza	sudden increase in wealth, good fortune, or profit	समृद्धि
Contagious	spread (disease) from one person to another, by direct contact	संक्रामक
Complicated	consisting of many interconnecting parts or element, complex	उलझा हुआ
Continuum	a coherent whole characterized as a collection, sequence, or progression.	अबाध क्रम
Effective	Successful in producing result	प्रभावी
Eloquently	in a fluent or persuasive manner	वाकपटुता से भरा
Evolution	continuous branching and diversification from common trunks	क्रमागत उन्नति
Excluded	deny (someone) access to a place, group or privilege	बेघर करना
Executive	having the powers to put plans or actions into affect	कार्यपालिका (शासनात्मक)
Fluently	an ability to express oneself freely or articulately	धारा प्रवाह
Hierarchy	a system in which members of an organization or society are ranked according to their relative status	अनुक्रम
Inertia	tendency to remain unchanged	जड़त्व
Legislature	a body of persons having the power to legislate	विद्यान मंडल
Incorporated	united in one	सम्मिलित
Lay down	to give up arms	डाल देना (हथियार)
Liquidity	the availability of liquid assets (cash) to a market or company	नकदी उपलब्धि
Sluggishness	lethargy	सुस्ती
Shiver	shake slightly and uncontrollably as a result of being cold, frightened, or excited	काँपना
Oscillate	move or swing back and forth in a regular rhythm	दोलन करना
Supplementary	completing or enhancing something	पूरक
Scarce	insufficient	अल्प
Monument	structure erected to commomorate a notable person or event	स्मारक

SSC MOCK TEST - 232 (ANSWER KEY)

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



76. (A) Use 'had been' in place of 'would have been'.
 Structure of Past Conditional sentences:
 If + sub + had + V₃, sub + would + have + V₃.
77. (B) Use 'returns' in place of 'returned'. We need a noun here. Returns is a noun.
78. (B) Put in - interrupt in conversation or discussion.
 Put out - to extinguish.
 Put on - pretended, assumed
 Put off - to postpone.
79. (B) Carry through - to bear one's needs.
 Carry out - to complete or fulfil.
 Carry off - to succeed in difficult task.
 Carry on - to continue.
86. (D) If the sentence starts with 'Hardly', 'Scarcely', 'No sooner', 'Neither' etc, the formation will be-
 (Had + S + V₃ or Did + S + V₁)
 'Scarcely' is always followed by 'when'.
87. (C) Between ___ two.
 Among ___ for more than three.



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