

SOLUTIONS

1. Ans. A.
Option A is most appropriate answer.

2. Ans. C.
Option C is most appropriate.

3. Ans. B.
Option B is most appropriate.

4. Ans. B.
The conspicuous role of Gandhi is that of a person who makes changes to something in order to improve it. So option B is most appropriate.

5. Ans. A.
Poor suits best.

6. Ans. C.
Exposed suits best.

7. Ans. A.
Heralds suits best.

8. Ans. C.
Goes is most appropriate option.

9. Ans. D.
Have is the most appropriate option.

10. Ans. D.
Nothing is the most appropriate answer.

11. Ans. B.
Transgressor means a person who is breaking the law which is same as option (b)

12. Ans. D.
Egregious means outstandingly bad or shocking and Atrocious means cruel or wicked and both words are nearly equal in meaning.

13. Ans. C.
Predilection means fondness, liking
Oblivion means unconsciousness
Objectivity means impartiality
Aversion means dislike → which is nearly opposite of Predilection
Defeat means conquer, beat

14. Ans. B.
Cacophonous means loud or noisy
Tamed means make less powerful and easier to control
Harmonious means tuneful, melodious → which is nearly opposite in meaning to Cacophonous
Domestic means relating to the running of a home
Silent means not making any sound.

15. Ans. B.
CALUMNY means making of false statement.
Apology means regretful acknowledgement
Eulogy means a speech or piece of writing that praises someone → which is nearly opposite in meaning to calumny.
Enjoyment means the state of taking pleasure in something.
Reservation means action of reserving something.

16. Ans. B.
Ambidextrous people have the ability to use both hands with equal dexterity. Ambidextrous describes someone who can use either hand to write.
Dexterous means showing skills.

17. Ans. C.
Biography is written with the permission, cooperation, and at times, participation of a subject or a subject's heirs.
Autobiography is written by the person himself or herself.

18. Ans. C.
Prescription is an instruction written by a medical practitioner that authorizes a patient to be issued with a medicine or treatment.
Prognosis is a forecast of the likely outcome of a situation.
Diagnosis is the identification of the nature of an illness or other problem by examination of the symptoms.
Biopsy is an examination of tissue removed from a living body to discover the presence, cause, or extent of a disease.

19. Ans. D.
Amnesia means a partial or total loss of memory.
Utopia means an imagined place or state of things in which everything is perfect.
Nausea means a feeling of sickness with an inclination to vomit.
Insomnia means habitual sleeplessness; inability to sleep.

20. Ans. A.
Verbose means using or expressed in more words than are needed.
Pedantic means excessively concerned with minor details or rules.
Ornate means elaborately or highly decorated.
Pompous means self-important.

21. Ans. C.
Reminiscent is correctly spelt which means tending to remind one of something.

22. Ans. C.
Blasphemous is spelt correctly which means irrereligious.

23. Ans. A.
Trepidation is spelt correctly which means a feeling of fear or anxiety about something that may happen.

24. Ans. B.
Resurrect is spelt correctly which means restore (a dead person) to life.

25. Ans. C.
Manoeuvre is correctly spelt which means series of moves requiring skill and care.

26. Ans. C.

Lord Canning (1856-1862) was the Governor-General during the mutiny of 1857 (India's first war of independence). After war he was made first Viceroy of India.

27. Ans. D.

Dadra and Nagar Haveli was the conflict in which the territories of Dadra and Nagar Haveli passed from Portuguese rule to Indian Union rule in 1954. Dadra and Nagar Haveli were small Portuguese overseas territories, part of Portuguese India from 1779 until 1954.

28. Ans. A.

Washington DC is the capital of United States located along Potomac river on the country's East Coast.

29. Ans. D.

Uniform circular motion, that is constant speed along a circular path, is an example of a body experiencing acceleration resulting in velocity of a constant magnitude but the change of direction.

30. Ans. B.

International Atomic Energy Agency. The International Atomic Energy Agency (IAEA) is an international organization that seeks to promote the peaceful use of nuclear energy.

31. Ans. B.

BRAHMOS is a two-stage missile with a solid propellant booster engine as its first stage which brings it to supersonic speed and then gets separated.

32. Ans. D.

The *watt* (symbol: W) is a unit of power. In the International System of Units (SI) it is defined as a derived unit of 1 joule per second, and is used to quantify the rate of energy transfer. In dimensional analysis it is described by .

33. Ans. B.

Samudra Gupta (335-375 AD) of Gupta dynasty is known as the 'Napoleon of India'.

34. Ans. A.

Dadabhai Naoroji (4 September 1825 to 30 June 1917), known as the Grand Old Man of India, was a Parsi intellectual, educator, cotton trader, and an early Indian political and social leader.

35. Ans. B.

The Parliament has the power to regulate the right of citizenship in India.

36. Ans. B.

Baglihar Hydroelectric Power Project, is a run-of-the-river power project on the Chenab River in the southern Doda district of the Indian state of Jammu and Kashmir.

37. Ans. D.

International tennis player and media star Vijay Amritraj (India) was appointed UN Messenger of Peace in 2001.

38. Ans. B.

Indian Women's hockey team secured second position in Asian Champions Trophy 2013.

39. Ans. D.

The femur is also the longest bone in the human body. By most measures the femur is the strongest bone in the body.

40. Ans. C.

The US team of scientists found the mechanism in the hypothalamus, which is located deep inside the brain and showed that it is responsible for the ageing process.

41. Ans. A.

The corona is the outermost layer of the Sun, starting at about 1300 miles (2100 km) above the solar surface (the photosphere).

42. Ans. B.

Indian Institute of Science, Bangalore was established in the year 1909 with active support from Jamsetji Tata and H.H. Sir Krishnaraja Wodeyar IV, the Maharaja of Mysore.

43. Ans. B.

The Arjuna Awards are given by the Ministry of Youth Affairs and Sports, government of India to recognize outstanding achievement in National sports.

44. Ans. C.

The Suez Canal connects the Mediterranean Sea to the Red Sea.

45. Ans. A.

Rajatarangini is a historical chronicle of the north-western Indian subcontinent, particularly the kings of Kashmir and was written in Sanskrit by Kashmiri historian Kalhana in the 12th century CE.

46. Ans. A.

Because in 1929, the Indian National Congress had passed a resolution under the Presidentship of Pandit Jawaharlal Nehru in its Lahore session to observe January 26 every year as Purna Swarajya or Independence Day.

47. Ans. C.

The capital of North Korea is Pyongyang. Rest are correctly paired with their capitals.

48. Ans. C.

$A + 1 \rightarrow B + 2 \rightarrow D + 3 \rightarrow G + 4 \rightarrow K + 5 \rightarrow P$

49. Ans. B.

Z, W, T, Q moves three steps backward and S, O, K, G moves four steps backward to get the next term.

50. Ans. C.

$B + 1 \rightarrow C + 1 \rightarrow D$, $R - 1 \rightarrow Q - 1 \rightarrow P$, $L + 1 \rightarrow M + 1 \rightarrow N$, $T - 1 \rightarrow S - 1 \rightarrow R$

51. Ans. C.

According to question: $S = U$, $T = V$, $U = W$, $D = F$, $E = G$, $N = P$, $T = V$

52. Ans. A.

EDITOR will be coded as VWRGLI

53. Ans. C.

As Rustle is related to Leaves same as Patter is related to Rain.

54. Ans. B.

As Indiscreet is same as Imprudent, Similarly, Indisposed is same as reluctant.

55. Ans. A.

Due to lack of carefulness result is accident, similarly, lack of sanitation results to disease.

56. Ans. D.

Since all liars are not thieves so all liars cannot be criminals.

57. Ans. A.

There is not any relation between boys and tall. So, we cannot say anything.

58. Ans. A.

There are all positive sentences so we cannot conclude negative sentence.

59. Ans. A.

The assumption that can be made that mother cares for the child and sweet is not good for her child.

60. Ans. C.

Option (i) and (iii) are implicit.

61. Ans. A.

All except Tsangpo are wildlife sanctuary.

62. Ans. D.

Gram is a unit of mass while others are related to food.

63. Ans. A.

As infants go to crèche similarly pupils which means students go to school.

64. Ans. B.

As pesticide is beneficial for plant same as vaccination is beneficial for body.

65. Ans. A.

Stare is with higher intensity than glance same as gulp is with high intensity than sip.

66. Ans. B.

Ecstasy means overwhelming feeling and is more intense form of pleasure. Similarly, Rage is more intense form of anger.

67. Ans. D.

Necromancy he supposed practice of communicating with the dead, especially in order to predict the future. Similarly, sorcery deals with spirits.

68. Ans. C.

Both words Firm : Flabby are opposite in meaning. Similarly, Piquant means pleasantly sharp taste, spicy. Bland means tasteless. Both are also opposite in meaning.

69. Ans. D.

The *Curies Discover Radium*. __1898:
__*Radium* is *discovered* by the husband-and-wife team of Pierre and Marie *Curie*.

70. Ans. B.

Contamination of food by germs is called infestation.

Similarly, attack on body by germs is called infection.

71. Ans. C.

$$A = P(1 + r/100)^n$$

$$\Rightarrow 50(1 + 300/100)^2$$

$$\Rightarrow 50(4)^2$$

$$\Rightarrow 800$$

72. Ans. B.

Shopkeeper sells at CP using weight of 900 gm instead of 1 kg

$$\text{So, } 1000\text{gm} - 900\text{ gm} = 100\text{gm}$$

$$\Rightarrow 100/900 \times 100$$

$$\Rightarrow 100/9 \%$$

73. Ans. B.

CP of bullock and cart = 1800

Let price of bullock be x and cart be (1800 - x)
SP of bullock and cart = 1800 + 155/6 X 1800 = 2265

$$\text{Also, } 1.2x + 1.3(1800 - x) = 2265$$

$$\Rightarrow 1.2x - 1.3x = -75$$

$$\Rightarrow x = 750$$

74. Ans. C.

Let the original avg expenditure be x

$$\text{Total expenditure} = 35x$$

$$\Rightarrow 35x + 42 = (x-1) \times 42$$

$$\Rightarrow 35x + 42 = 42x - 42$$

$$\Rightarrow 7x = 84$$

$$\Rightarrow x = 12$$

So, initial expenditure = 12 X 35 = 420.

75. Ans. C.

Let the age of new comer be x

Avg age decrease by 1/12 year

$$\Rightarrow 24 \times 1/12 = 18 - x$$

$$\Rightarrow x = 16 \text{ years}$$

76. Ans. D.

$$\text{Let } a + b = 85 \rightarrow b = 85 - a$$

LCM(a,b) = 102 $\rightarrow ab = 102k \rightarrow a(85 - a) = 102k$, where k is a natural number.

By solving the quadratic equation, we get

$$a = (85 \pm \sqrt{(85^2 - 408k)})/2$$

So, the term under square root should be an odd perfect square, so k = 17

$$\Rightarrow a = 51, 34.$$

77. Ans. B.

Quantity of food = 200 X 31 = 6200 man-days

Till 27 days, quantity consumed = 27 X 200 = 5400 man-days

Remaining quantity = 6200 - 5400 = 800 man days

Remaining soilders = 200 - 120 = 80

Let remaining food will be sufficient for x days

$$\Rightarrow 5400 + 80x = 6200$$

$$\Rightarrow x = 10 \text{ days}$$

78. Ans. C.

Let the number be x

When 10 is added, number = $x + 10$

When 7 is multiplied, number = $7 \times (x + 10)$

According to question, $\Rightarrow [7 \times (x + 10) / 5] - 5 = 44$

$\Rightarrow 7x + 70 = 49 \times 5$

$\Rightarrow x + 10 = 35, \Rightarrow x = 25$

79. Ans. D.

Let the average expenditure of 19 people be x

$\Rightarrow 19x = 13 \times 79 + 6 \times (x + 4)$

$\Rightarrow 19x = 13 \times 79 + 6x + 24$

$\Rightarrow x = 80.84$

So, total money spent by them = 1536.07

80. Ans. B.

Working efficiency of both typist together = $100/6$

= 16.66%

Let the efficiency of first typist be x and second typist be $(16.66 - x)$

First typist for 4 minute + second typist for 6 minute = 80% work

$\Rightarrow 4x + (16.66 - x) \times 6 = 80\%$

$\Rightarrow 4x + 100\% - 6x = 80\%, \Rightarrow x = 10\%$

First typist typed 10% per minute, second typist typed $(16.66 - 10) = 6.66\%$ per minute

Slowest is second typist complete whole job in $100/6.66 = 15.01 = 15$ minute

81. Ans. A.

Let there be x one rupee coin, y 50 paise coin, z 25 paise coin

$x + y + z = 220$ (i)

Total amount = 160

Now, $x + (y/2) + z = 160$ (ii)

$\Rightarrow 4x + 2y + z = 640$

Thrice as many 1 re coin as 25 paise

$\Rightarrow x = 3z$ (iii)

On solving equation (i), (ii) and (iii), we get $z = 40$

$x = 3 \times 40 = 120$

$y = 220 - (120 + 40) = 60$

So, 50 paise coin = 60

82. Ans. D.

Let larger number be x and smaller number be y .

Also, $y = 10$

According to question,

$\Rightarrow (x + y) = 3((x - y))$

$\Rightarrow (x + 10) = 3(x - 10)$

$\Rightarrow 2x = 40$

$\Rightarrow x = 20$

83. Ans. B.

SI = PTR/100

SI = PX100/100

SI = P

So, Amount = P + SI = 2P $\rightarrow 22500 = 2P \rightarrow P = 11250$

84. Ans. C.

$A = P(1 + rt/100)$

So, $A = 3P$ (it becomes triples)

$3P = P(1 + 8r/100) \rightarrow r = 25\%$

Now, when $t = 20$

$\Rightarrow A = P(1 + 25 \times 20/100)$

$\Rightarrow A = P(1 + 5)$

$\Rightarrow A = 6P$

So, it becomes 6 times.

85. Ans. B.

$(69^3 - 65^3)/(69^2 + 69 \times 65 + 65^2)$

$\Rightarrow a^3 - b^3 = (a - b)(a^2 + ab + b^2)$

\Rightarrow Using the above formula,

$\Rightarrow 69 - 65 = 4$

86. Ans. A.

Option A fits in the blank.

87. Ans. B.

Option B fits in the blank.

88. Ans. C.

Option C fits best in the blank.

89. Ans. D.

Option D fits best in the blank.

90. Ans. A.

1 and 4, 2 and 5, 3 and 6. In both first alphabet is same and second alphabet follows the order.

91. Ans. C.

Something should end with M so there will be option (c)

92. Ans. B.

Option will be the answer because there will be J letter and should end with R.

93. Ans. A.

There should be something that ends with F so A will be the option.

94. Ans. D.

In all figures, the upper circle overlaps the lower circle but in option D lower circle overlaps the upper.

95. Ans. B.

In option B shaded circle is common of all three circles but in others the shaded circle is the common part of only two circles.

96. Ans. D.

In all the squares, the direction of open face of all inner one is in different direction. But in option D there is 2 open face that faces the same direction i.e. south direction.

97. Ans. D.

It has odd number of sides while others have even number of sides.

98. Ans. D.

In Question, there is triangle which is center of diagram and in option D which have the same map.

99. Ans. C.

Figure X is hidden in option (c)

100. Ans. A.

In fig X have a closed Y shape this map in option a in center.
