SSC CHSL Tier-1 2023: Official Paper (Held On: 09 Aug, 2023 Shift 3) (Previous Year Paper)

SSC Combined Higher Secondary Level (CHSL) • 2023 • 100 questions • 60 minutes • Answer key and solutions

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ENGLISH LANGUAGE

Q1. Select the number from among the given options that can replace the question mark (?) in the following series.

3, 6, 15, 42, 123, ?

(a) 366
(b) 362
(c) 368
(d) 365

Q2. In a certain code language,

A + B means 'A is the daughter of B',

A - B means 'A is the brother of B'.

A × B means 'A is the son of B' and

A ÷ B means 'A is the husband of B'.

Based on the above, how is M related to O If 'H ÷ O + A - M + N'?

(a) Father's wife
(b) Father's mother
(c) Fathers sister
(d) Brother's mother

Q3. What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and '×' and '÷' are interchanged?

11 ÷ 42 × 3 - 69 + 25 = ?

(a) 189
(b) 210
(c) 198
(d) 205

Q4. select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



(b)



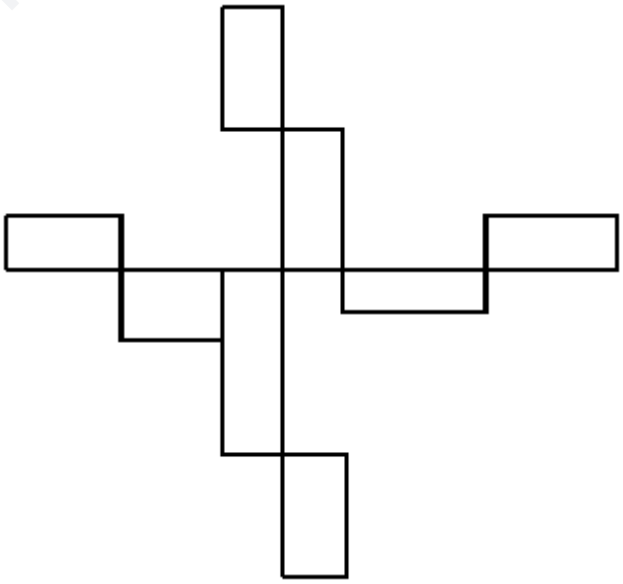
(c)



(d)



Q5. How many rectangles are there in the given figure?



(a) 8
(b) 9
(c) 5
(d) 7

Q6. Select the option that is related to the first term in the same way as the fourth term is related to the third term and the sixth term is related to the fifth term.

7 : ? :: 15 : 150 :: 18 : 234

(a) 17
(b) 12
(c) 14
(d) 15

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Q7. In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the option in which the numbers are related in the same way as are the numbers of the following pairs.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

16, 107

12, 79

(a) 8, 92
(b) 11, 61
(c) 9, 58
(d) 15, 94

Q8. What should come in place of X in the given series?

17 22 32 47 67 X

(a) 95
(b) 87
(c) 92
(d) 90

Q9. In a certain code language, ‘GRAB’ is coded as ‘5401" and ‘BANG’ is coded as '9105" What is the code for ‘'N' in the given code language?

(a) 5
(b) 9
(c) 1
(d) 0

Q10. If 22 September 1982 is Wednesday, then what will be the day of the week on 7 December 1991?

(a) Friday
(b) Saturday
(c) Monday
(d) Tuesday

Q11. Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered meaningful English words and must not be related to each other based on the number of letters/consonants/vowels in the word.)

Contain: Hold

(a) Contrast : Disparity
(b) Fool : Font
(c) Blur : Boa
(d) Fox : Foyer

Q12. Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion's logically follow's from the given statements.

Statements : All spoons are forks. Some forks are sticks. No stick is a knife.

Conclusion (I): Some knives are forks.

Conclusion (II): No stick is a spoon.

(a) Only conclusion II follows.
(b) Both conclusions I and II follow.
(c) Only conclusion I follows.
(d) Neither conclusion I nor II follows.

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Q13. Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

All cars are yellow.

Some yellow are flowers.

Some flowers are brown.

Conclusions:

(I): Some yellow are brown

(II): All yellow are cars.

(a) Neither conclusion (I) nor (II) follows
(b) Only conclusion (II) follows
(c) Only conclusion (I) follows
(d) Both conclusions (I) and (II) follow

Q14. Three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(a) BEF
(b) SUV
(c) KNO
(d) XAB

Q15. Which term from among the given options can replace the question mark (?) in the following series to make it logically complete?

UC 169, WE 121, ?, AI49, CK25

(a) YF64
(b) XH81
(c) XF64
(d) YG81

Q16. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series,

IBTW, JCSV, ?, LEQT

(a) JCCS
(b) IBWP
(c) KDTW
(d) KDRU

Q17. FK 19 is related to GM 22 in a certain way. In the same way, QB 13 is related to RD 16. To which of the following is NH 16 related following the same logic?

(a) OI 20
(b) OJ 19
(c) PI 21
(d) PJ 19

Q18. Four triads of numbers have been given out of which three are alike in some manner and one is different. Select the one that is different.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13-Operations on 13 such as adding/deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(a) 14 - 44 - 29
(b) 36 - 66 - 51
(c) 29 - 44 - 14
(d) 21 - 51 - 36

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Q19. What should come in place of ? in the given series?

28, 31, 36, 39, 44, ?

(a) 49
(b) 51
(c) 48
(d) 47

Q20. Find the correct alternative that when filled in the blanks in the same sequence will make the series logically complete.

P _ S _ T _ P _ _ PT _ _T _ P _ S

(a) PTSPTSSPT
(b) PPTSSTPST
(c) TPSTPSTSS
(d) TPSTSSPST

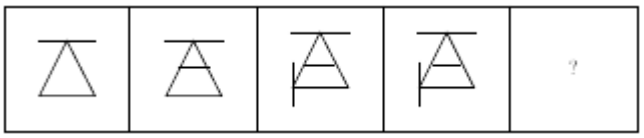
Q21. In a certain code language, 'RANDOM' is coded as 'YWUZVI" and 'AMONG' is coded as 'HIVJN'. What is the code for 'POWERED' in the given code language?

(a) WKDAYAK
(b) WDKAYAK
(c) WKADYAK
(d) WKDAAYK

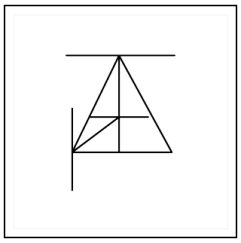
Q22. If 21 July 2000 is Friday, then what will be the day of the week on 15 July 2012?

(a) Sunday
(b) Monday
(c) Saturday
(d) Friday

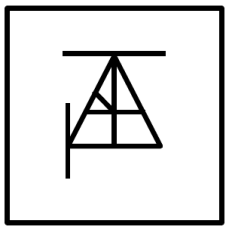
Q23. Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.



(a)

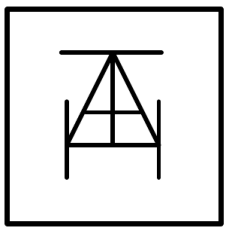


(b)

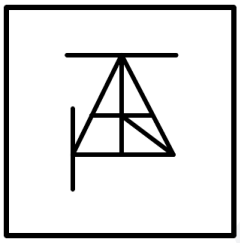


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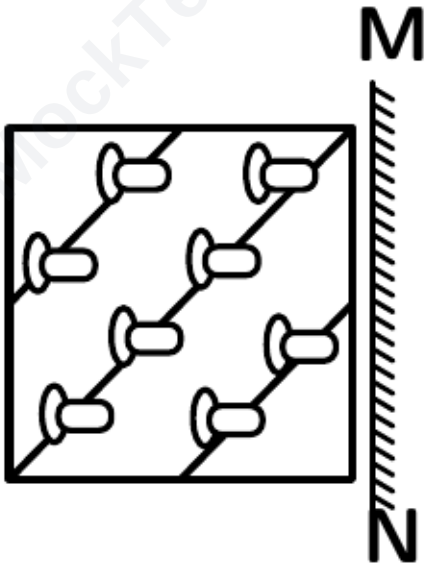
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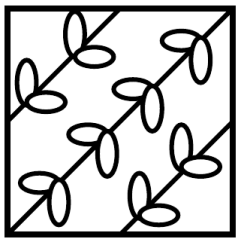
(d)



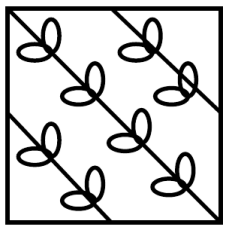
Q24. Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



(a)

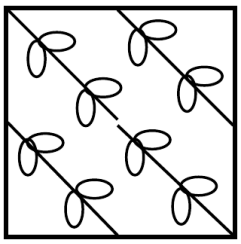


(b)

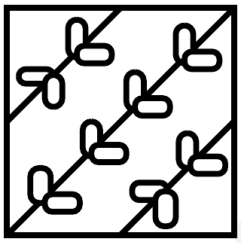


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(c)



(d)



Q25. Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13-Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

61 : 133

40 : 69

52 : 93

38 : 65

(a) 52 : 93
(b) 40 : 69
(c) 38 : 65
(d) 61 : 133

GENERAL INTELLIGENCE

Q26. Which is the soft malleable and silvery-yellow metal with atomic number 59 in the lanthanide series?

(a) Neodymium
(b) praseodymium
(c) Promethium
(d) Gadolinium

Q27. New Delhi is the headquarters of which railway zone?

(a) Southern railway zone
(b) Eastern railway zone
(c) Central railway zone
(d) Northern railway zone

Q28. The 'Glide Technique' is used in which track and field event?

(a) Pole Vault
(b) 4 × 100 m Relay
(c) Shot Put
(d) Long Jump

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Q29. The division of cytoplasm is known as:

(a) karyokinesis
(b) cytoskeleton
(c) cytosol
(d) cytokinesis

Q30. In which year did Nitu Ghanghas win India's first gold medal at the World Boxing Championships?

(a) 2022
(b) 2021
(c) 2020
(d) 2023

Q31. In the Union Budget 2023-24, the Government of India has decided to establish 500 new waste-to-wealth plants under the _____ scheme.

(a) Waste to Wonder
(b) GOBAR se GARV
(c) Gobardhan
(d) Kachra se Khazana

Q32. Article 1 of the Indian Constitution which states "India, that is Bharat, shall be a Union of States', mentions which of the following features?

(a) Independence of the Judiciary
(b) Cooperative Federalism
(c) Secularism
(d) Parliamentary sovereignty

Q33. Identify the correct statement/s regarding budgetary deficit?

i. Deficit acts as a flow that adds to the stock of the debt.
ii. Deficit acts as stock, which is independent of debt.
iii. Deficit acts as a burden on the future generation.

(a) Only ii
(b) Only i and ii
(c) Only i
(d) Only i and iii

Q34. Sarhul is a famous tribal festival of dance in which state?

(a) Assam
(b) Sikkim
(c) Jharkhand
(d) Chhattisgarh

Q35. Which telescope was invented by Isaac Newton in the 17^(th) century by using a concave mirror to collect light instead of a simple lens which produces false colours due to the dispersion of light?

(a) Reflecting telescope
(b) Infrared telescope
(c) Monocular telescope
(d) Graphic telescope

Q36. Gross Domestic Product less Depreciation is _____.

(a) Gross Domestic Investment
(b) Net National Product
(c) Gross National Product
(d) Net Domestic Product

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Q37. In India which Act divided the powers between the Central and units in terms of three lists?

(a) 1862
(b) 1919
(c) 1909
(d) 1935

Q38. According to Census of India 2011, the top three most populated states are:

(a) Uttar Pradesh, Bihar and Himanchal Pradesh
(b) Uttar Pradesh, Bihar and Goa
(c) Uttar Pradesh, Maharashtra and Bihar
(d) West Bengal, Bihar and Andhra Pradesh

Q39. Of which of the following states is Jallikattu a famous bull-taming festival?

(a) Karnataka
(b) Kerala
(c) Arunachal Pradesh
(d) Tamil Nadu

Q40. Which river from the following flows through a rift valley?

(a) Tapi
(b) Brahmaputra
(c) Sabarmati
(d) Ganga

Q41. Which tributary of the Indus River originates near the Rohtang Pass at an altitude of 4,000 metres above mean sea level?

(a) Chenab
(b) Musi
(c) Beas
(d) Indravati

Q42. Which player scored the maximum runs in the 8th ICC Men's T20 World Cup held in October and November 2022?

(a) Shikhar Dhawan
(b) Rohit Sharma
(c) Virat Kohli
(d) Surya Kumar Yadav

Q43. CBIC stands for _____.

(a) Central Bureau of Investigation and Committee
(b) Central Board on Issues Related to Caste
(c) Central Board of Information and Communication
(d) Central Board of Indirect Taxes and Customs

Q44. Which of these is one of the functions of the Government budget?

(a) Management of money supply
(b) Maintaining strict budgetary balance
(c) Redistribution of income and wealth
(d) Price fixation

Q45. The first battle of Panipat took place between Babur and _____.

(a) Medini Rai
(b) Sikandar Lodi
(c) Ibrahim Lodi
(d) Rana Sanga

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Q46. Defence Research Development Organisation (DRDO), which is under the Ministry of Defence, Government of India. was formed in the year _____.

(a) 1948
(b) 1958
(c) 1975
(d) 1981

Q47. Who was popularly known as the 'father of civil services in India'?

(a) Lord Cornwallis
(b) William Bentinck
(c) Lord Dalhousie
(d) John Shore

Q48. Kottakkal Nandakumaran Nair is a Sangeet Natak Akademi 2019 Awardee for his contribution to _____.

(a) Bharatanatyam
(b) Contemporary
(c) Kathakali
(d) Odissi

Q49. Which musical instrument Dr APJ Abdul Kalam, former President of India, used to play?

(a) Guitar
(b) Sarod
(c) Veena
(d) Piano

Q50. What is meant by subsistence agriculture?

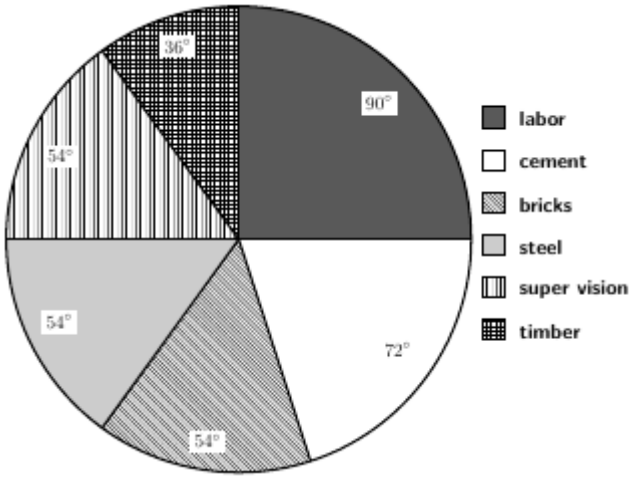
(a) Agricultural output is sufficient for the country.
(b) Agriculturists produce primarily for themselves
(c) Agriculture generates sufficient income
(d) Agriculturists produce primarily for the market.

QUANTITATIVE APTITUDE

Q51. If $a^2 + b^2 + c^2 = ab + bc + ca$, then the value of $(11a^4+13b^4+15c^4)/(16a^2b^2+19b^2c^2+17c^2a^2)$ is:

(a) 11/3
(b) 1/4
(c) 3/4
(d) 13/4

Q52. The pie chart shows the cost of construction of a house. (in degrees)



The amount spent on labour exceeds the amount spent on cement by:

(a) 18% of the total cost
(b) 5% of the total cost
(c) 12% of the total cost
(d) 10% of the total cost

Q53. Find the length of a tangent drawn to a circle with radius 8 cm from a point 17 cm from the centre of the circle,

(a) 14 cm
(b) 12 cm
(c) 15 cm
(d) 10 cm

Q54. The average of 18 integers is found to be 41. It was detected that by mistake the integer 127 was copied as 341, while calculating the average. Then the correct average is:

(a) 231/7
(b) 331/9
(c) 291/9
(d) 371/3

Q55. simplify:

$[1/5 \text{ of } (35-5)+4]^2-[9-\{7+(2-3)\}+5]^2$

(a) 100
(b) 36
(c) 25
(d) 64

Q56. On an item having a marked price of Rs. 1600, successive discounts of y% and z% were offered. As a result, the Item was sold for Rs. 1056. Which of the options below CANNOT be a set of values for y and z?

(a) y = 22, z = 15.5
(b) y = 4, z = 31.25
(c) y = 20, z = 17.5
(d) y = 12, z = 25

Q57. Cos 2θ = _____.

(a) $1 - 2\cos^2\theta$
(b) $2\cos^2\theta - 1$
(c) $2\sin^2\theta - 1$
(d) $1 - \sin^2\theta$

Q58. Simplify the expression:

$(c + d)^2 - (c - d)^2$

(a) 4cd
(b) $(c^2 + d^2)$
(c) 2(c2 + d2)
(d) 2cd

Q59. Aastha spends 15% of her total income on traveling and 20% of the rest income on food and then donates Rs. 380 and after that, she saves Rs. 2,000. Find her total income (in Rs.)

(a) 3,500
(b) 3,650
(c) 3,800
(d) 3,600

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Q60. The lengths of the two sides of a triangle are 14 cm and 9 cm. Which of the options below can be the length of the third side?

(a) 17 cm
(b) 23 cm
(c) 24 cm
(d) 5 cm

Q61. The marked price of a school bag was Rs. 550. This price was 10% above the cost price. It was sold at a discount of 10% on the marked price. Find the gain or loss percentage.

(a) Loss 1%
(b) Loss 0.1%
(c) Gain 0.1%
(d) Gain 1%

Q62. tan Θ=3/4, find the value of expression (1+sin θ)/(1-sin θ) :

(a) 4
(b) 3
(c) 8
(d) 5

Q63. What is the present value of Rs. 9,360 at an interest rate 20% at the end of two years compounded annually?

(a) Rs. 6,400
(b) Rs. 6,450
(c) Rs. 6,500
(d) Rs. 6,550

Q64. A shopkeeper marked the price 18% more than its cost price. If he allows a discount of 24%, then find his loss per cent.

(a) 16.43%
(b) 15.75%
(c) 10.32%
(d) 12.25%

Q65. One litre milk costs Rs. 40. Water is mixed with milk and the mixture was sold at Rs. 30 per litre. Find the ratio of water and milk in the mixture.

(a) 2 : 5
(b) 1 : 3
(c) 1 : 2
(d) 2 : 3

Q66. Δ ABC is an equilateral triangle. The side BC is produced to point D. If A joines D and BC = CD, then the degree measure of angle CAD is equal to:

(a) 30°
(b) 15°
(c) 45°
(d) 18°

Q67. Simplify the following:

7(cot 11° cot 13° cot 19° cot 29° cot 61° cot 71° cot 77° cot 79°)

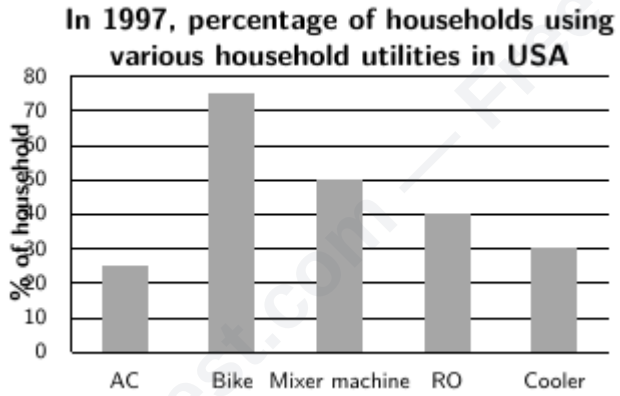
(a) 7
(b) -7
(c) -1
(d) 1

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Q68. If a + b + c = 13 and ab + bc + ca = 45, find $a^2 + b^2 + c^2$.

(a) 79
(b) 65
(c) 57
(d) 85

Q69. Study the following graph and answer the question given below:



In 1997, if the total number of households was 830 million, then what would be the number of households (in million) having RO?

(a) 332
(b) 525
(c) 209
(d) 419

Q70. The marked price of 85 items was equal to the cost price of 153 items. The selling price of 104 items was equal to the marked price of 65 items. Calculate the percentage profit or loss from the sale of each item.

(a) 12.5% loss
(b) 12.5% profit
(c) 15% profit
(d) 12.25% profit

Q71. How long will it take for a sum of Rs. 450 to accumulate Rs. 81 in interest at a simple interest rate of 4.5% per annum ?

(a) 4.5 years
(b) 4 years
(c) 3 years
(d) 3.5 years

Q72. The ratio of Ram's salary to Shyam's salary is 3 : 4. The ratio of Shyam's salary to Ghanshyam's salary is 5 : 6. What will be the ratio of Ram's salary to Ghanshyam's salary?

(a) 3 : 5
(b) 5 : 8
(c) 4 : 5
(d) 3 : 8

Q73. The length, breath of a cuboidal box are 25 cm and 15 cm, respectively, If the volume of the box is 1875 cm^3, then the height of the box (in cm) is:

(a) 4.0
(b) 5.0
(c) 5.5
(d) 4.5

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Q74. Study the given table and answer the question that follows.

The table indicates the number of students studying in three disciplines in four colleges.

Disciplines	Colleges			
A	B	C	D	
Mathematics	200	300	300	350
Statistics	250	320	400	250
Home Science	320	340	300	450

Which college has the maximum number of students in Statistics?

(a) D
(b) A
(c) C
(d) B

Q75. In a circle, two chords AB and CD intersect each other internally at point P. If AB = 16 cm, PB = 6 cm and PD = 12 cm, then the value of PC (in cm) is equal to:

(a) 3
(b) 8
(c) 6
(d) 5

GENERAL AWARENESS

Q76. Direction: Select the INCORRECTLY spelt word.

(a) Ambassador
(b) Architecture
(c) Awful
(d) Accomodate

Q77. Direction: Parts of the following sentence have been given as options. Select the option that contains an error.

The government has been accused in not doing enough to combat climate change.

(a) climate change.
(b) accused in
(c) The government
(d) enough to combat

Q78. Direction: Select the most appropriate synonym of the underlined word.

The transient rains have caused harm to the crops in the north.

(a) Perpetual
(b) Long
(c) Fleeting
(d) Stable

Q79. Direction: Parts of a sentence are given below in jumbled order, except the first part. Arrange the parts in the correct order to form a meaningful sentence.

It is…

A. who are continually trying to improve

B. not the least talented

C. their dialogue skills,

D. the most talented people

(a) DACB

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(b) BADC
(c) CDBA
(d) ABDC

Q80. Direction: Select the most appropriate option that can replace the underlined part of the following sentence.
It has been raining from morning.
(a) for
(b) though
(c) since
(d) till

Q81. Direction: Select the most appropriate ANTONYM of the given word from the following sentence.
Decent
My father taught me to be true and ethical in business, as dishonesty leads to downfall.
(a) dishonesty
(b) ethical
(c) downfall
(d) true

Q82. Direction: Select the option that expresses the given sentence in active voice.
Let the book be read by me.
(a) Let me read the book
(b) Let me had read the book.
(c) Let me have read the book.
(d) Let me please read the book.

Q83. Direction: Select the most appropriate meaning of the given idiom.
Have a bash
(a) to betray a close friend
(b) to make an attempt
(c) to spoil a moment
(d) to put something on hold

Q84. Direction: Parts of a sentence are given below in jumbled order. Select the option that arranges the parts in the correct order to form a meaningful sentence.
A) said that they are
B) hear this news
C) very sorry to
D) Catherine and David
(a) C, D, B, A
(b) D, A, C, B
(c) B, D, C, A
(d) A, C, D, B

Q85. Direction: The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.
The food container / is not enough big to meet / the demands of the affected people.
(a) No error
(b) is not enough big to meet
(c) The food container
(d) the demands of the affected people.

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Q86. Direction: Select the most appropriate idiom for the underlined segment in the following sentence.
Meera is not qualified much but has the art of speaking.
(a) Gift of the gab
(b) Hope against hope
(c) An acid tongue
(d) A lick of paint

Q87. Direction: Select the most appropriate option that can substitute the underlined segment in the following sentence.
The number of seats in the movie theater were reduced to comply with the new social distancing guidelines.
(a) in the movie theater was reduced
(b) in the movie theater were being reduced
(c) of the movie theater were reduced
(d) in the movie theater are reduced

Q88. Direction: Parts of the following sentence have been given as options. Select the option that contains an error.
The lack of mutual bonding was conspicuous from their shody body language in the marriage party.
(a) conspicuous
(b) shody
(c) marriage
(d) mutual

Q89. Direction: Select the most appropriate ANTONYM of the underlined word in the given sentence.
Many confessed after the physical torture by the cops.
(a) Revealed
(b) Recognised
(c) Acknowledged
(d) Denied

Q90. Direction: Select the most appropriate option that can substitute the underlined words in the given sentence.
Our former minister Mr. Sikhar is in the running from Shrinet Nagar for the post of Member of Legislative Assembly
(a) contesting the elections
(b) making laws
(c) teaching students
(d) giving speeches

Q91. Direction: Select the most appropriate ANTONYM of the given word.
Affliction
(a) Predicament
(b) Mortgage
(c) Jeopardy
(d) Consolation

Q92. Direction: Select the option that expresses the following sentence in active voice.
The tickets had already been booked by my friend.
(a) My friend already booked the tickets.
(b) The tickets had already booked my friend
(c) My friend had already booked the tickets.
(d) My friend has already booked the tickets.

Q93. Direction: Select the most appropriate option that can substitute the underlined words in the given sentence.
She has gone to the stationery store to buy a scissor.
(a) buying a pair of scissors
(b) buy a scissors
(c) buy a pair of scissors

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(d) buy a pair of scissor

Q94. Direction: Select the most appropriate synonym of the given word.

Prolific

(a) Productive
(b) Lazy
(c) Unproductive
(d) Unsuccessful

Q95. Direction: Select the most appropriate synonym of the underlined word in the given sentence.

His conceit prevented him from accepting any criticism, even if it was meant to be constructive.

(a) prejudice
(b) modesty
(c) cowardice
(d) egotism

Directions

Direction: In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Ancient coins are a fascinating ____ (1) __ into the past, providing insight into the culture, economy and politics of ancient civilisations. Coins were first invented in the 7th century BCE, and the use of coins spread rapidly throughout the ancient world, and many civilisations minted their own unique coins with __ (2) __ designs and symbols. One of the most significant aspects of ancient coins is the information they provide. Coins often bear the images and inscriptions of rulers, which can provide clues about their __ (3) __ and the values they held. They can also reveal information about trade and commerce, as well as the materials and technology used in coin minting. The craftsmanship and attention to detail in these coins are a __ (4) __ to the skill and creativity of ancient artists. While many ancient coins are now rare and valuable collector's items, they were once a common form of currency used in everyday transactions. Their ubiquity and durability have allowed them to survive for centuries, providing a window into the past for future generations to explore and __ (5) ____.

Q96. Select the most appropriate option to fill in blank 1.

(a) interference
(b) hint
(c) divergence
(d) glimpse

Q97. Select the most appropriate option to fill in blank 2.

(a) intricate
(b) casual
(c) tangled
(d) elementary

Q98. Select the most appropriate option to fill in blank 3.

(a) nature
(b) reign
(c) performance
(d) inactivity

Q99. Select the most appropriate option to fill in blank 4.

(a) refusal
(b) commitment
(c) confusion
(d) testament

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Q100. Select the most appropriate option to fill in blank 5.

(a) replenish
(b) worship
(c) favour
(d) appreciate

ANSWER KEY

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

SOLUTIONS

Q1. Answer: (a) 366

Given:

3, 6, 15, 42, 123,?

The logic followed in the given series is:

Here, the missing number is '366'.

Hence, the correct answer is "Option (1)".

Q2. Answer: (c) Fathers sister

A is				
Symbol	•	•	×	÷
Meaning	Daughter	Brother	Son	Husband
to B				

H ÷ O + A - M + N → H is husband of O, O is daughter of A, A is brother of M, M is daughter of N.

By using the symbols in the table given below, we can draw the following family tree:

Clearly, M is O's aunt, i.e., father's sister.

Hence, ‘Fathers sister’ is the correct answer.

Q3. Answer: (c) 198

Given equation: 11 ÷ 42 × 3 - 69 + 25 = ?

If ‘+’ and '-' are interchanged and ‘×' and '÷' are interchanged:

11 × 42 ÷ 3 + 69 - 25 = ?

=> 11 × 14 + 69 - 25 = ?

=> 154 + 69 - 25 = ?

=> 223 - 25 = ?

=> 198 = ?

Hence, ‘198’ is the correct answer.

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Q4. Answer: (a) [figure]

The correct mirror image of the given figure when the mirror is placed at MN is shown below:

Hence, ‘option 1’ is the correct answer.

Q5. Answer: (a) 8

The number of rectangles in the given figure is shown below:

Hence, ‘8’ is the correct answer.

Q6. Answer: (c) 14

The logic followed here is:

Logic: First number × (First number - 5) = Second number

15 : 150 → 15 × (15 - 5) = 15 × 10 = 150

18 : 234 → 18 × (18 - 5) = 18 × 13 = 234

Similarly,

7 : ? :: 7 × (7 - 5) = 7 × 2 = 14

Hence, '14' is the correct answer.

Q7. Answer: (c) 9, 58

The logic followed here is:

Logic: (First number × 7) - 5 = Second number

• 16, 107 → (16 × 7) - 5 = 112 - 5 = 107

• 12, 79 → (12 × 7) - 5 = 84 - 5 = 79

Similarly,

• 9, 58 → (9 × 7) - 5 = 63 - 5 = 58

Hence, '9, 58' is the correct answer.

Q8. Answer: (c) 92

The logic followed here is:

Hence, '92' is the correct answer.

Q9. Answer: (b) 9

Code for each letter is shown below:

So, 9 is the code for ‘'N' in the given code language.

Hence, '9' is the correct answer.

Q10. Answer: (b) Saturday

An ordinary year has 1 odd day and a leap year has 2 odd days.

So, the day on the same date for an ordinary year will be 1 day ahead and the day on the same date for a leap year will be 2 days ahead for the next year.

If 22 September 1982 is Wednesday, then the day on these dates will be:

22 September 1983 → Thursday

22 September 1984 → Saturday

22 September 1985 → Sunday

22 September 1986 → Monday

22 September 1987 → Tuesday

22 September 1988 → Thursday

22 September 1989 → Friday

22 September 1990 → Saturday

22 September 1991 → Sunday

Number of days between 22 September to 7 December = (8 + 31 + 30 + 7) = 76

76 when divided by 7, we get 6 as remainder

Sunday + 6 = Saturday

So, it will be Saturday on 7 December 1991.

Hence, ‘Saturday’ is the correct answer.

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Q11. Answer: (a) Contrast : Disparity

The logic followed here is:

Logic: Words are synonyms of each other.

• Contain : Hold → Contain is synonym of hold.

Similarly,

• Contrast : Disparity → Contrast is synonym of Disparity.

Hence, 'Contrast : Disparity' is the correct answer.

Q12. Answer: (d) Neither conclusion I nor II follows.

The least possible Venn diagram is:

Conclusion (I): Some knives are forks. → Does not follow (As, Some forks are sticks and No stick is a knife → Some forks are not knives)

Conclusion (II): No stick is a spoon. → Does not follow (As, there is no definite relation between stick and spoon. Hence, false)

Hence, 'Neither conclusion I nor II follows' is the correct answer.

Q13. Answer: (a) Neither conclusion (I) nor (II) follows

The least possible Venn diagram is:

Conclusions:

(I): Some yellow are brown → Does not follow (As, there is no definite relation between yellow and brown. Hence, false)

(II): All yellow are cars. → Does not follow (As, All cars are yellow → So, some yellow are cars)

Hence, 'Neither conclusion (I) nor (II) follows' is the correct answer.

Q14. Answer: (b) SUV

The logic followed here is:

1. BEF → B + 3 = E; E + 1 = F
2. SUV → S + 2 = U; U + 1 = V
3. KNO → K + 3 = N; N + 1 = O
4. XAB → X + 3 = A; A + 1 = B

Hence, 'SUV' is the correct answer.

Q15. Answer: (d) YG81

The logic followed here is:

Hence, 'YG81' is the correct answer.

Q16. Answer: (d) KDRU

The logic followed here is:

Hence, 'KDRU' is the correct answer.

Q17. Answer: (b) OJ 19

The logic followed here is:

• • Similarly,

• Hence, 'OJ 19' is the correct answer.

Q18. Answer: (c) 29 - 44 - 14

The logic followed here is:

Logic: First number + 30 = Second number; First number + 15 = Third number

1. 14 - 44 - 29 → 14 + 30 = 44; 14 + 15 = 29
2. 36 - 66 - 51 → 36 + 30 = 66; 36 + 15 = 51
3. 29 - 44 - 14 → 29 + 30 = 59 ≠ 44; 29 + 15 = 44 ≠ 14
4. 21 - 51 - 36 → 21 + 30 = 51; 21 + 15 = 36

Hence, '29 - 44 - 14' is the correct answer.

Q19. Answer: (d) 47

The logic followed here is:

Hence, '47' is the correct answer.

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Q20. Answer: (d) TPSTSSPST

The logic followed here is:

1. PTSPTSSPT → P P S / T T S / P P T / P T S / S T P / P T S
2. PPTSSTPST → P P S / P T T / P S S / P T T / P T S / P T S
3. TPSTPSTSS → P T S / P T S / P T P / P T S / T T S / P S S
4. TPSTSSPST → P T S / P T S / P T S / PT S / P T S / P T S

• In option 4, PTS is repeated.

Hence, ‘TPSTSSPST’ is the correct answer.

Q21. Answer: (a) WKDAYAK

The logic followed here is:

• • Similarly,

• Hence, 'WKDAYAK' is the correct answer.

Q22. Answer: (a) Sunday

An ordinary year has 1 odd day and a leap year has 2 odd days.

So, the day on the same date for an ordinary year will be 1 day ahead and the day on the same date for a leap year will be 2 days ahead for the next year.

If 21 July 2000 is Friday, then the day on these dates will be:

21 July 2001 → Saturday

21 July 2002 → Sunday

21 July 2003 → Monday

21 July 2004 → Wednesday

21 July 2005 → Thursday

21 July 2006 → Friday

21 July 2007 → Saturday

21 July 2008 → Monday

21 July 2009 → Tuesday

21 July 2010 → Wednesday

21 July 2011 → Thursday

21 July 2012 → Saturday

Number of days between 15 July 2012 to 21 July 2012 = 6

Saturday - 6 = Sunday

So, it will be Sunday on 15 July 2012.

Hence, ‘Sunday’ is the correct answer.

Q23. Answer: (c) [figure]

The logic followed in the given figure series is:

From Figure (1) to (2):

One line is added inside the triangle.

From Figure (2) to (3):

One line is added outside of the triangle.

From Figure (3) to (4):

One line is added inside the triangle.

From Figure (4) to Answer Figure:

One line is added outside of the triangle.

Hence, the correct answer is "Option (3)".

Q24. Answer: (b) [figure]

The correct mirror image of the given figure when the mirror is placed at MN is shown below:

Hence, 'option 2' is the correct answer.

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Q25. Answer: (d) 61 : 133

The logic followed here is:

Logic: First number + (First number - 11) = Second number

1. 52 : 93 → 52 + (52 - 11) = 52 + 41 = 93

2. 40 : 69 → 40 + (40 - 11) = 40 + 29 = 69

3. 38 : 65 → 38 + (38 - 11) = 38 + 27 = 65

4. 61 : 133 → 61 + (61 - 11) = 61 + 50 = 111 ≠ 133

Hence, '61 : 133' is the correct answer.

Q26. Answer: (b) praseodymium

The correct answer is praseodymium.

Key Points

• Praseodymium:-

• The soft, malleable, and silvery-yellow metal with atomic number 59 in the lanthanide series is praseodymium.

• Praseodymium is a rare earth element that is used in magnets, lasers, and other electronic devices.

Additional Information

• Neodymium:-

• It is another rare earth element that is commonly used in magnets, particularly in high-performance motors and speakers.

• Promethium:-

• It is a radioactive rare earth element that is used in nuclear batteries and other specialized applications.

• Gadolinium:-

• It is a silvery-white rare earth element that is commonly used in medical imaging and other applications.

Q27. Answer: (d) Northern railway zone

The correct answer is Northern railway zone.

Key Points

• Northern railway zone:-

• New Delhi is the headquarters of the Northern railway zone.

• The Northern railway zone is one of the 18 railway zones in India.

• The Northern railway zone covers states such as Delhi, Punjab, Haryana, Uttar Pradesh, and parts of Jammu and Kashmir.

Additional Information

• Southern railway zone:-

• The Southern railway zone covers states such as Tamil Nadu, Kerala, Puducherry, and parts of Andhra Pradesh and Karnataka.

• The Southern railway zone has its headquarters in Chennai.

• Eastern railway zone:-

• The Eastern railway zone has its headquarters in Kolkata.

• The Eastern railway zone covers states such as West Bengal, Jharkhand, Bihar, and parts of Odisha.

• Central railway zone:-

• The Central railway zone has its headquarters in Mumbai.

• The Central railway zone covers states such as Maharashtra, Madhya Pradesh, and parts of Uttar Pradesh and Karnataka.

Q28. Answer: (c) Shot Put

The correct answer is Shot Put,

Key Points

• Glide Technique:-

• The Glide Technique is used in the Shot Put event in track and field.

• The technique involves a series of steps where the athlete moves forward while simultaneously turning their body and pushing the shot put away from their neck.

• The Glide Technique is preferred by many athletes as it allows for a greater distance to be covered in the throw.

Additional Information

• Pole Vault:-

• It is a track and field event where athletes use a pole to jump over a bar.

• 4 x 100 m Relay:-

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• It is a track and field event where four athletes run a relay race covering a total distance of 400 meters.
• Long Jump:-
• It is a track and field event where athletes jump for distance from a running start.

Q29. Answer: (d) cytokinesis

The correct answer is cytokinesis;

Key Points

• Cytokinesis:-
• It is a critical step in cell division that follows karyokinesis.
• During cytokinesis, the cytoplasm divides into two daughter cells, each with a complete set of chromosomes.
• Cytokinesis involves the formation of a contractile ring around the cell, which constricts and separates the cytoplasm into two parts.
• The contractile ring is made up of actin and myosin filaments that help in the division of the cytoplasm.

Additional Information

• Karyokinesis:-
• It is the division of the nucleus during cell division.
• Cytoskeleton:-
• It is a network of protein filaments that provide structural support and shape to the cell.
• Cytosol:-
• It is the fluid portion of the cytoplasm that surrounds the organelles.

Q30. Answer: (d) 2023

The correct answer is 2023.

Key Points

• Nitu Ghanghas won India's first gold medal at the 2023 IBA Women's World Boxing Championships.
• The event was held in New Delhi, India, showcasing India as a significant host for global boxing events.
• She competed in the 48 kg minimum weight category and delivered a stellar performance in the final match.
• Her opponent in the finals was Lutsaikhan Altantsetseg from Mongolia, whom she defeated convincingly.
• This victory marked her as one of India's prominent boxing talents and added to India's legacy in international boxing.

Additional Information

• IBA Women's World Boxing Championships
• Organized by the International Boxing Association (IBA), it is one of the most prestigious events in women's boxing.
• Started in 2001, it is held biennially and features multiple weight categories.
• India has been a dominant force in this championship, with legends like Mary Kom winning multiple titles.
• India's Contribution to Boxing
• India has produced several world-class boxers such as Mary Kom, Vijender Singh, Lovlina Borgohain, and Nikhat Zareen.
• The country has hosted major international boxing events, including the Women's World Boxing Championships in 2006 and 2023.
• Weight Categories in Boxing
• Boxing matches are divided into weight categories to ensure fairness, such as flyweight, bantamweight, lightweight, and more.
• Nitu Ghanghas competed in the minimum weight category (48 kg), which is one of the lightest categories in boxing.
• Role of Boxing Federations
• The Boxing Federation of India (BFI) is responsible for promoting and organizing boxing events in India.
• It plays a crucial role in identifying and nurturing talent at the grassroots level and ensuring representation in global championships.

Q31. Answer: (c) Gobardhan

The correct answer is Gobardhan.

Key Points

• Gobardhan:-
• It is a central government scheme launched in 2018, which aims to promote the management of cattle dung and solid waste in rural areas.
• The scheme promotes the establishment of bio-gas plants, which convert cattle dung and other organic waste into bio-gas, which can be used for cooking and lighting purposes.

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• The bio-gas plants also produce organic fertilizers, which can be used in agriculture, thereby reducing the use of chemical fertilizers.

• The establishment of 500 new waste-to-wealth plants under the Gobardhan scheme is a significant step towards achieving the goal of clean energy and sustainable development.

Additional Information

• GOBAR se GARV:-

• It is a related scheme launched by the Ministry of Jal Shakti, which aims to promote the use of bio-gas in rural areas.

Q32. Answer: (b) Cooperative Federalism

The correct answer is Cooperative Federalism.

Key Points

• Cooperative Federalism

• This feature is explicitly mentioned in Article 1 of the Indian Constitution

• It refers to the sharing of power between the central government and the state governments in India

• It is a key principle of Indian federalism and is reflected in the division of powers between the Union and the states in the Constitution

Additional Information

• Independence of the Judiciary

• This feature is not explicitly mentioned in Article 1 of the Indian Constitution

• However, the Constitution does provide for an independent judiciary in other articles, such as Article 50 which calls for the separation of the judiciary from the executive

• Secularism

• This feature is not explicitly mentioned in Article 1 of the Indian Constitution

• However, it is mentioned in the Preamble which declares India to be a secular nation

• The Constitution also provides for religious freedom and prohibits discrimination on the basis of religion

• Parliamentary sovereignty

• This feature is not explicitly mentioned in Article 1 of the Indian Constitution

• However, it is implied in the Constitution as the Parliament is the supreme law-making body in India

• The Constitution also provides for a system of checks and balances to prevent the abuse of parliamentary power

Q33. Answer: (d) Only i and iii

The correct answer is Only i and iii.

Key Points

• Budgetary deficit:-

• It refers to a situation where the government spends more money than it earns through revenue collection.

• Deficit adds to the stock of debt as the government borrows money to finance the deficit.

Q34. Answer: (c) Jharkhand

The correct answer is Jharkhand.

Key Points

• Sarhul:-

• It is a popular tribal festival of dance celebrated in the state of Jharkhand.

• It is celebrated during the spring season, usually in the month of March or April, to worship the Sal tree.

• The festival is marked by traditional dance performances, music, and offerings to the deity.

• The festival signifies the bond between nature and the tribal community living in the state of Jharkhand.

Q35. Answer: (a) Reflecting telescope

The correct answer is reflecting telescope.

Key Points

• Reflecting telescope:-

• It was invented by Isaac Newton in the 17th century.

• This telescope uses a concave mirror to collect and reflect light, which eliminates the problem of false colours that occur due to the dispersion of light in a simple lens.

• Reflecting telescopes are widely used in modern astronomy and are used to study celestial objects such as stars, galaxies, and

planets.

• The first reflecting telescope was built by James Gregory in the 17th century, before Newton's version.

• The reflecting telescope is also known as a Newtonian telescope and has a wide range of applications in astronomy and astrophysics.

Additional Information

• Infrared telescope:-

• It uses infrared radiation to detect objects in space.

• Monocular telescope:-

• It is a small, handheld telescope used for terrestrial observation.

• Graphic telescope:-

• It is not a commonly used term in astronomy or optics.

Q36. Answer: (d) Net Domestic Product

The correct answer is Net Domestic Product.

Key Points

• Gross Domestic Product:

• GDP is the total value of all goods and services produced within a country's borders in a given time period.

• Depreciation is the decrease in value of an asset over time due to wear and tear, obsolescence, or other factors.

• NDP:-

• It is a measure of the net output of the economy and is considered a more accurate indicator of economic growth than GDP.

• Gross Domestic Product less Depreciation is called Net Domestic Product (NDP). It represents the value of all goods and services produced within a country's borders minus the value of the capital goods (machinery, equipment, buildings, etc.) that were used up in the production process.

Additional Information

• Gross Domestic Investment:-

• It refers to the total amount of money spent on capital goods (machinery, equipment, buildings, etc.) within a country's borders in a given time period.

• Net National Product:-

• It is the value of all goods and services produced by a country's residents, including those living abroad, minus depreciation.

• Gross National Product:-

• It is the value of all goods and services produced by a country's residents, including those living abroad, without subtracting depreciation.

Q37. Answer: (d) 1935

The correct answer is 1935.

Key Points

• Government of India Act, 1935:-

• The Government of India Act, 1935 was a major constitutional reform that provided for the establishment of a Federation of India comprising British India and the princely states. It introduced the concept of a bicameral legislature, abolished dyarchy, and provided for the establishment of a Federal Court. It remained in force until India became independent in 1947.

• The Act referred to in question is the Government of India Act, 1935.

• This Act divided the powers between the Central and provincial governments in terms of three lists - Federal List, Provincial List, and Concurrent List.

• The Federal List included subjects that were exclusively under the jurisdiction of the Central government, such as defense, foreign affairs, and currency.

• The Provincial List included subjects that were exclusively under the jurisdiction of the provincial governments, such as education, health, and local government.

• The Concurrent List included subjects that were under the jurisdiction of both the Central and provincial governments, such as criminal law, marriage and divorce, and economic and social planning.

Additional Information

• Indian Councils Act, 1861:-

• The Indian Councils Act, 1861 was an important milestone in the history of Indian constitutional development. It introduced the concept of representative government in India by allowing the nomination of Indians as non-official members of the legislative councils at the central and provincial levels.

• Government of India Act, 1919:-

• The Government of India Act, 1919 was passed by the British Parliament to introduce some reforms in the governance of India. It expanded the size and scope of the legislative councils, introduced the concept of dyarchy, and provided for the establishment of a public service commission.

• Morley-Minto Reforms of 1909:-

• The Morley-Minto Reforms of 1909 were introduced by the British government to address the growing demand for political representation by the Indian National Congress and other political organizations. It increased the number of Indians in the legislative councils and provided for separate electorates for Muslims.

Q38. Answer: (c) Uttar Pradesh, Maharashtra and Bihar

The correct answer is Uttar Pradesh, Maharashtra, and Bihar.

Key Points

• Uttar Pradesh:-

• It is the most populated state in India with a population of over 199 million.

• Maharashtra:-

• It has a population of over 112 million.

• Bihar:-

• It has a population of over 103 million.

Additional Information

• Himachal Pradesh:-

• It is a northern Indian state with a population of around 7 million.

• Goa:-

• It is one of the smallest states in India with a population of around 1.5 million and is not among the top three most populated states.

• Andhra Pradesh:-

• It is one of the larger states in India with a population of over 49 million but is not among the top three most populated states.

Q39. Answer: (d) Tamil Nadu

The correct answer is Tamil Nadu.

Key Points

• Jallikattu:-

• It is a famous bull-taming festival that is celebrated in the state of Tamil Nadu.

• It is a traditional sport where a bull is released into a crowd of people, and the participants try to grab and hold onto the bull's hump for as long as possible.

• The festival has been a part of Tamil Nadu's culture for centuries and is usually held during the Pongal festival.

• Jallikattu has been a controversial sport due to concerns over animal cruelty, and there have been calls to ban it.

Q40. Answer: (a) Tapi

The correct answer is Tapi.

Key Points

• Tapi river:-

• The river that flows through a rift valley is the Tapi river.

• The Tapi river originates in the Satpura range in Madhya Pradesh and flows through Maharashtra and Gujarat before emptying into the Arabian Sea.

• The rift valley through which the Tapi river flows is known as the Tapi Valley or the Narmada-Tapi rift zone.

• The Tapi Valley is a geological formation that was created due to tectonic movements in the earth's crust.

Additional Information

• Brahmaputra:

• The Brahmaputra river flows through the northeastern part of India and into Bangladesh.

• Sabarmati:

• The Sabarmati river flows through Gujarat and empties into the Arabian Sea.

• Ganga:

• The Ganga river is one of the major rivers of India and flows through several states.

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Q41. Answer: (c) Beas

The correct answer is Beas.

Key Points

• Beas River:-

• The Beas River is a tributary of the Indus River that originates near the Rohtang Pass at an altitude of 4,000 metres above mean sea level.

• It flows through the states of Himachal Pradesh and Punjab, and is approximately 470 kilometres long.

• The river is an important source of irrigation and hydroelectric power generation for the region.

• The Beas River is also famous for its scenic beauty and is a popular destination for adventure sports like river rafting and kayaking.

Additional Information

• Chenab River:

• It is one of the major rivers in India and Pakistan, and is formed by the confluence of two rivers, the Chandra and the Bhaga, near the town of Tandi in Himachal Pradesh.

• Musi River:

• It is a tributary of the Krishna River that flows through the city of Hyderabad in Telangana, and is known for its historical significance and pollution.

• Indravati River:

• It is a tributary of the Godavari River that flows through the states of Maharashtra, Chhattisgarh and Odisha, and is known for its scenic beauty and wildlife.

Q42. Answer: (c) Virat Kohli

The correct answer is Virat Kohli.

Key Points

• Virat Kohli:-

• He scored the maximum runs in the 8th ICC Men's T20 World Cup held in October and November 2022.

• ICC Men's T20 World Cup:

• It is an international cricket tournament organized by the International Cricket Council (ICC) for the men's national teams of the member countries.

• The tournament is played in the T20 (Twenty20) format, which is a short form of cricket consisting of 20 overs per team.

• Maximum runs:

• It refers to the highest number of runs scored by a player in the tournament.

• Runs are the basic unit of scoring in cricket, and they are earned by the batsman when he hits the ball and runs between the wickets.

Additional Information

• Shikhar Dhawan:

• He is an Indian cricketer who plays as a left-handed opening batsman. He has represented India in all three formats of cricket (Test, ODI, and T20).

• He was the leading run-scorer in the 2018 edition of the IPL (Indian Premier League) and has also scored heavily in domestic cricket.

• Rohit Sharma:

• He is an Indian cricketer who plays as a right-handed opening batsman.

• He has represented India in all three formats of cricket (Test, ODI, and T20) and is known for his aggressive batting style.

• He holds the record for the highest individual score in ODIs (One Day Internationals) and has also won several IPL titles as captain of the Mumbai Indians team.

• Surya Kumar Yadav:

• He is an Indian cricketer who plays as a right-handed middle-order batsman.

• He made his debut for India in T20Is in 2021 and has also played in the IPL for various teams.

• He is known for his flamboyant strokeplay and has been a consistent performer in domestic cricket.

Q43. Answer: (d) Central Board of Indirect Taxes and Customs

The correct answer is Central Board of Indirect Taxes and Customs.

Key Points

• CBIC stands for Central Board of Indirect Taxes and Customs.

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• CBIC is a part of the Department of Revenue under the Ministry of Finance in India.

• It is responsible for the administration of indirect taxes such as Goods and Services Tax (GST), Customs, and Central Excise.

• CBIC also plays a crucial role in preventing smuggling and enforcing trade laws and regulations.

• The board is headed by a Chairperson and has several members who oversee different departments and functions related to indirect taxes and customs.

Additional Information

• Central Bureau of Investigation and Committee:-

• The Central Bureau of Investigation (CBI) is a premier investigation agency in India that deals with high-profile cases of corruption, economic offenses, and other serious crimes.

• A committee is a group of people appointed to perform a specific task or function.

Q44. Answer: (c) Redistribution of income and wealth

The correct answer is Redistribution of income and wealth.

Key Points

• Redistribution of income and wealth:

• This is one of the primary functions of the government budget.

• It involves the allocation of resources and funds to promote social and economic equity.

• The government can achieve this through progressive taxation, welfare programs, and subsidies.

Additional Information

• Management of money supply:

• This refers to the control and regulation of money supply in the economy.

• The government can adjust the money supply through various tools like open market operations, reserve requirements, and discount rates.

• This helps in maintaining stable economic growth and controlling inflation.

• Maintaining strict budgetary balance:

• This refers to the practice of keeping government spending in line with revenue generated.

• A strict budgetary balance is important to avoid a fiscal deficit, which can lead to inflation and a decrease in the value of the currency.

• Price fixation:

• This refers to the government's role in regulating the prices of goods and services in the economy.

• The government can control prices through price ceilings or price floors. However, this is not a primary function of the government budget.

Q45. Answer: (c) Ibrahim Lodi

The correct answer is Ibrahim Lodi.

Key Points

• First battle of Panipat:-

• The first battle of Panipat took place between Babur and Ibrahim Lodi.

• Babur, the founder of the Mughal Empire, invaded India in 1526 and defeated the Sultan of Delhi, Ibrahim Lodi, in the first battle of Panipat.

• The battle was fought on April 21, 1526, near Panipat, which is now in the state of Haryana, India.

• The Mughal army was equipped with advanced weaponry, including artillery, which gave them an advantage over the Sultan's army.

• Ibrahim Lodi was killed in the battle, and Babur went on to establish the Mughal Empire in India.

Additional Information

• Medini Rai:

• Medini Rai (d. 1528) was a Rajput ruler of Chanderi state. The Battle of Chanderi was fought between Medini Rai and Babar in 1528. In this Babar was victorious and Medini Rai was killed.

• Sikandar Lodi:

• He was the second Sultan of the Lodi dynasty, who ruled from 1489 to 1517. He was not involved in the first battle of Panipat.

• Rana Sanga:

• He was a Rajput ruler of Mewar, who fought against Babur in the Battle of Khanwa in 1527.

Q46. Answer: (b) 1958

The correct answer is 1958.

Key Points

• DRDO:-

• It is India's premier defence research and development organization, responsible for developing technology for the country's defence forces.

• It was established in 1958 after the amalgamation of the Technical Development Establishment (TDEs) and the Directorate of Technical Development and Production (DTDP) with the Defence Science Organisation (DSO).

• DRDO has played a crucial role in the development of India's missile technology, including the Agni and Prithvi missiles.

• It has also developed a range of other defence technologies, including radars, electronic warfare systems, and unmanned aerial vehicles.

Q47. Answer: (a) Lord Cornwallis

The correct answer is Lord Cornwallis.

Key Points

• Lord Cornwallis:-

• He is known as the "father of civil services in India" because he introduced the concept of a permanent civil service in India. Before him, civil servants were appointed on a temporary basis, and there was no clear career path for them.

• Lord Cornwallis established the Civil Service Commission in 1786, which was responsible for recruiting and training civil servants. This commission laid the foundation for a professional and efficient civil service in India.

• Lord Cornwallis also introduced the concept of a hierarchy in the civil service, with different grades and ranks for different levels of responsibility. This helped to create a clear career path for civil servants and incentivized them to work harder.

• Lord Cornwallis's reforms were instrumental in creating a modern and efficient administrative system in India, which helped to lay the foundation for British rule in India.

Additional Information

• William Bentinck:-

• He was the Governor-General of India from 1828 to 1835.

• He is known for his social reforms, such as banning Sati and promoting Western education.

• However, he did not make any significant contributions to the civil service during his tenure.

• Lord Dalhousie:-

• He was the Governor-General of India from 1848 to 1856.

• He is known for his ambitious infrastructure projects, such as building railways and telegraph lines. He also introduced the Doctrine of Lapse, which allowed the British to annex Indian states that did not have a male heir.

• However, he did not make any significant contributions to the civil service during his tenure.

• John Shore:-

• He was the Governor-General of India from 1793 to 1798.

• He is known for his administrative reforms, such as introducing the office of the Governor-General and creating a separate department for revenue.

Q48. Answer: (c) Kathakali

The correct answer is Kathakali.

Key Points

• Kottakkal Nandakumaran Nair:-

• He is a recipient of the Sangeet Natak Akademi award in 2019 for his contribution to Kathakali.

• Kathakali:-

• It is a traditional dance-drama form that originated in the state of Kerala, India. It is characterized by elaborate costumes, facial makeup, and hand gestures.

Additional Information

• Bharatanatyam:-

• It is a classical dance form that originated in the southern state of Tamil Nadu, India. It is characterized by intricate footwork, hand gestures, and facial expressions.

• Contemporary dance:-

• It is a genre of dance that emerged in the mid-20th century and encompasses various styles and techniques.

• Odissi:-

• It is a classical dance form that originated in the eastern state of Odisha, India. It is characterized by fluid movements, intricate footwork, and expressive facial expressions.

Q49. Answer: (c) Veena

The correct answer is Veena.

Key Points

• Veena:-

• It is a stringed instrument with a long hollow neck and a resonating chamber made of gourd.

• It is played by plucking the strings with one hand and sliding the fingers of the other hand along the frets to produce different notes.

• Veena is considered to be one of the oldest and most revered instruments in Indian classical music.

• Dr APJ Abdul Kalam used to play Veena, which is a traditional Indian musical instrument.

Additional Information

• Guitar:-

• It is a western musical instrument.

• Sarod:-

• It is a stringed instrument from North India.

• Piano:-

• It is a keyboard instrument.

Q50. Answer: (b) Agriculturists produce primarily for themselves

The correct answer is Agriculturists produce primarily for themselves.

Key Points

• Subsistence agriculture:-

• It refers to a type of farming where farmers produce primarily for themselves and their families, rather than for the market.

• Farmers who practice subsistence agriculture typically have small plots of land and use traditional farming methods.

• The crops they grow are usually basic staples like rice, corn, or beans, which they consume themselves or trade with other farmers for other goods.

• Subsistence agriculture is often associated with rural or developing areas where people may not have access to modern technology or infrastructure.

• While subsistence agriculture can provide a reliable food source for farmers and their families, it may not generate enough income to support a higher standard of living or promote economic growth.

Q51. Answer: (c) 3/4

Given:

a2 + b2 + c2 = ab + bc + ca

Concept used:

If a2 + b2 + c2 = ab + bc + ca, a = b = c

Calculation:

=> (11a^4+13b^4+15c^4)/(16a²b²+19b²c²+17c²a²)

Put a = b = c everywhere in the expression,

=> (11a^4+13a^4+15a^4)/(16a²a²+19a²a²+17a²a²)

=> (39a^4)/(52a^4) = 39/52 = 3/4

Therefore The correct answer is 3/4

Q52. Answer: (b) 5% of the total cost

Calculation :

Amount spent on labour = 90°

Amount spent on cement = 72°

Difference = 90° - 72° = 18°

Now we know 360° = 100%

=> 18° = (100% / 360°) × 18° = 5%

Therefore The amount spent on labour exceeds the amount spent on cement by 5% of total cost.

Q53. Answer: (c) 15 cm

Given :

The radius of the circle OA = 8 cm

Distance of the point from the center of the circle OP = 17 cm

Concept Used :

The tangent at any point of a circle is perpendicular to the radius through the point of contact.

Calculation :

In right-angled Δ OAP using the Pythagorean theorem, $OP^2 = OA^2 + PA^2$

=> $17^2 = 8^2 + PA^2$

=> $289 - 64 = PA^2$

=> $15^2 = PA^2$

=> 15 = PA

Therefore The length of tangent = 15 cm.

Q54. Answer: (c) 291/9

Given :

The average of 18 integers = 41

By mistake 127 was copied as 341

Formula Used :

Average = Sum of all values / Total no of values

Calculation :

Using formula, sum of integers = 18 × 41 = 738

Difference between actual value and copied value = 341 - 127 = 214

So, the actual sum = 738 - 214 = 524

Thus, the correct average = 524 / 18 = 29 1/9

Therefore The correct average of integers = 29 1/9.

Q55. Answer: (b) 36

Given:

$[1/5 \text{ of } (35-5)+4]^2-[9-\{7+(2-3)\}+5]^2$

Concept:

Calculation:

$[1/5 \text{ of } (35-5)+4]^2-[9-\{7+(2-3)\}+5]^2$

=> $[1/5 \text{ of } 30+4]^2-[9-\{7+(-1)\}+5]^2$

=> $(6 + 4)^2 - [9 - 6 + 5]^2$

=> $10^2- 8^2$

=> 100 - 64 = 36

Therefore The simplified value is 36

Q56. Answer: (a) y = 22, z = 15.5

Given:

MP = Rs. 1600

SP = Rs. 1056

Successive discounts = y%, z%

Formula Used:

Effective discount = a + b - ab/100

SP = MP - MP × D/100

=> D = (MP - SP)/MP × 100

Where, D = Discount

Calculation:

According to the question,

Total discount = (1600 - 1056)/1600 × 100 = 34%

Now,

Checking with option 1:
Discount = 22 + 15.5 - (22 × 15.5)/100 = 34.09%
Checking with option 2:
Discount = 4 + 31.25 - (4 × 31.25)/100 = 34%
Checking with option 3:
=> 20 + 17.5 - (20 × 17.5)/100 = 34%
Checking with option 4
=> 12 + 25 - (12 × 25)/100 = 34%
So, except option 1, all the options give the same value.
Therefore The set of values that cannot be a solution is y = 22, z = 15.5.

Q57. Answer: (b) 2 cos² θ - 1

Formula used:
$\sin^2\theta + \cos^2\theta = 1$ ---(1)
$\cos2\theta = \cos2\theta - \sin2\theta$ (2)
Calculation:
According to the formula,
=> $\cos2\theta = \cos2\theta - \sin2\theta$
Putting the value of $\sin^2\theta$ from eqn(1),
=> $\cos2\theta = \cos2\theta - (1 - \cos^2\theta)$ [Because $\sin2\theta + \cos2\theta = 1 \Rightarrow \sin2\theta = 1 - \cos2\theta$]
=> $\cos2\theta = 2\cos2\theta - 1$
Therefore The correct answer is option 2.

Q58. Answer: (a) 4cd

Formula Used :
$x^2 - y^2 = (x + y)(x - y)$
Calculation:
=> (c + d)2 - (c - d)2
=> (c + d + c - d) (c + d -(c - d))
=> 2c × (c + d - c + d)
=> 2c × 2d = 4cd
Therefore The simplified value is 4cd.
Alternate MethodFormula Used :
$(x + y)^2 = x^2 + y^2 + 2xy$
(x - y)2 = x2 + y2 - 2xy
Calculation:
=> (c + d)2 - (c - d)2
=> $c^2 + d^2 + 2cd$ - (c2 + d2 - 2cd)
=> c2 + d2 + 2cd - c2 - d2 + 2cd
=> 4cd
Therefore The simplified value is 4cd.

Q59. Answer: (a) 3,500

Given:
Spent on traveling = 15%
Spent on food = 20% of remaining
Donated amount = Rs. 380
Money saved = Rs. 2000
Calculation:
Let, Total income = 100 unit
Income left after spending on travelling
=> 100 - 100 × 15% = 85 unit
Income left after spending on food

=> 85 - 85 × 20% = 68 unit

According to the question,

=> 68 units = Rs. (2000 + 380)

=> 68 units = Rs. 2380

=> 1 unit = Rs. 35

=> 100 unit = Rs. 3500

Therefore The total income is Rs. 3500

Q60. Answer: (a) 17 cm

Given :

Two sides of a triangle are 14cm and 9 cm

Concept used :

To form a triangle,

(a) The sum of any two sides of a triangle will be greater than the third side of that triangle.

(b) The difference of any two sides of a triangle will be smaller than the third side of that triangle.

Solution:

Checking option (1):

Condition (1)

=>14 + 9 > 17 => 23 > 17

=>14 + 17 > 9 => 31 > 9

=>17 + 9 > 14 => 26 > 14

Condition (2)

=>14 - 9 < 17

=>17 - 14 < 9

=>17 - 9 < 14

Both the conditions are satisfied.

Checking option (2):

14 + 9 > 23 => 23 = 23

Condition (1) is not satisfied.

Checking option (3):

24 - 9 < 14 => 14 = 14

Condition (2) is not satisfied.

Checking option (4):

9 + 5 > 14 => 14 = 14

Condition (1) is not satisfied.

Therefore The length of the third side is 17 cm.

Q61. Answer: (a) Loss 1%

Given:

MP of a school bag = Rs. 550

MP = CP + CP × 10/100

Discount on MP = 10%

Formula used:

Loss % = ((CP - SP) / CP) × 100

Calculations:

=> 550 = (100 + 10)/100 × CP

=> CP = 550 × 100 / 110 = Rs. 500

According to the given data,

=> SP = MP × (100 - 10)/100

=> SP = 550 × 90/100 = Rs. 495

Now, Loss% = (500 - 495)/500 × 100

=> Loss% = 5/500 × 100 = 1

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Therefore The loss percentage is 1%.

Q62. Answer: (a) 4

Given:

tan θ = 3 / 4

Formula Used:

Tan θ = P/B

sin θ = P/H

$H = \sqrt{(P^2+B^2)}$

Calculation:

tan θ = 3/4 = P/B

P = 3, B = 4

$\Rightarrow H = \sqrt{(3^2+4^2)} = \sqrt{(9+16)} = \sqrt{25} = 5$

Now,

(1+sin θ)/(1-sin θ)

=> (1+ 3/5) / (1 - 3/5)

=> (5 + 3)/5 / (5 - 3)/5

=> 8/2 = 4

Therefore The correct answer is option (1).

Q63. Answer: (c) Rs. 6,500

Given:

Amount after 2 years = Rs. 9360

The rate = 20%.

Formula used:

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

Calculation:

The present value is 9360 (after 2 years). In compound interest,

=> A= P × (1 + r / 100)n

$\Rightarrow 9360 = P \times (1 + 20/100)^2$

=> 9360= P × 36/25

=> P = 9360 × 25 / 36 = 6500

Therefore The present value of Rs. 9,360 at an interest rate 20% at the end of two years compounded annually is 6500.

Q64. Answer: (c) 10.32%

Given:

Marked price = 18% more than its cost price

Discount = 24%

Formula used:

S.P. = [(100 - Discount%)/100] x C.P.

Loss% = [(C.P. - S.P.)/C.P.] x 100

Where, C.P. = Cost price, S.P. = Selling price

Calculation:

Let, the cost price = Rs. 100

So, the marked price = 100+ (18% of 100) = Rs. 118

Then, the selling price = 118 x (76/100) = Rs.89.68

Loss percentage = [(100 - 89.68)/100] × 100 = 10.32%

Therefore The loss percentage is 10.32%.

Q65. Answer: (b) 1 : 3

Given:

One litre milk costs = Rs.40

Water is mixed with milk and mixture sold at Rs.30 per litre.

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Calculation:
According to the question,
By the applying the rule of the allegation,
The ratio of water & milk = (40 - 30) : (30 - 0) = 1 : 3
So, the ratio of water and milk in the mixture is 1:3.
Therefore Correct Answer is 1:3.

Q66. Answer: (a) 30°

Given:
Δ ABC is an equilateral triangle.
BC = CD
Calculation:
According to the question,
angle ABC = angle BCA = angle BAC = 60°
So, angle ACD = 180°- 60° = 120°
BC = CD ----------(1)
AC = BC ----------(2)
From eq. (1) & (2)
AC = CD
angle ADC = angle CAD
In Δ ACD,
angle ADC + angle CAD + angle ACD = 180°
=> angle CAD + angle CAD = 180° - 120°
=> 2angle CAD = 60°
=> angle CAD = 30°
Therefore The degree measure of angle CAD is 30°.

Q67. Answer: (a) 7

Concept Used:
tan (90 - θ) = cot θ
tan θ × cot θ = 1
Calculation:
7(cot 11° cot 13° cot 19° cot 29° cot 61° cot 71° cot 77° cot 79°)
=> 7(cot 11° cot 13° cot 19° cot 29° tan (90°- 61°) tan (90°- 71°) tan (90°- 77°) tan (90°-79°))
=> 7(cot 11° cot 13° cot 19° cot 29° tan29° tan 19° tan 13° tan 11°)
=> 7 × 1 = 7
Therefore The correct answer is option 1

Q68. Answer: (a) 79

Given:
a + b + c = 13 and ab + bc + ca = 45
Formula Used:
$(a + b + c)^2 = a^2 + b^2 + c^2 + 2(ab + bc + ca)$
Calculation:
According to the formula,
(a + b + c)2 = a2 + b2 + c2 + 2(ab + bc + ca)
=> $13^2 = a^2 + b^2 + c^2 + 2 \times 45$
=> $a^2 + b^2 + c^2 = 169 - 90 = 79$
Therefore The correct answer is option 1

Q69. Answer: (a) 332

Given:
In 1997 the total number of households was 830 million

Concept Used:
Million consists of six zeroes after a number
1 million = 1000000
Calculation:
40% of households using RO
So, the number of RO users
=> 830,000000 × (40/100)
=> 332,000000 = 332 million
Therefore The correct answer is option 1

Q70. Answer: (b) 12.5% profit

Given
The marked price of 85 items is the cost price of 153 items
The selling price of 104 items equals the marked price of 65 items
Formula used:
Profit percentage = (SP-CP)/CP × 100
Calculation
Let the marked price be M, the selling price be S, and the cost price be C.
=> MP × 85 = 153 × CP
=> MP/CP = 153 / 85 = 9/5
=> SP × 104 = MP × 65
=> SP/MP = 65 /104 = 5/8
Solving this we get the ratio = CP : SP : MP = 40:45:72
Therefore Profit percentage = (45-40)/40 × 100 = 12.5% profit

Q71. Answer: (b) 4 years

Given:
Principal = Rs. 450
Rate = 4.5%
SI = Rs. 81
Formula used:
SI = (P× R × T)/100
Calculation:
According to the question
=> 81 = (450 × 4.5 × T)/100
=> 81 = 2025T/100
=> 2025T = 8100
=> T = 4 years
Therefore The required time will be 4 years

Q72. Answer: (b) 5 : 8

Given:
The ratio of Ram's salary to Shyam's salary = 3 : 4
The ratio of Shyam’s salary to Ghanshyam's salary = 5 : 6
Concept used:
a : b, b : c
a:c = (a / b) × (b / c)
Calculations:
Ram's salary : Shyam's salary = 3 : 4
Shyam's salary : Ghanshyam's salary = 5 : 6
=> Ram's salary : Ghanshyam's salary = (Ram's salary / Shyam's salary) × (Shyam's salary / Ghanshyam's salary)
=> Ram's salary : Ghanshyam's salary = (3 / 4) × (5 / 6)
=> Ram's salary : Ghanshyam's salary = 5 / 8 = 5: 8

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Q73. Answer: (b) 5.0

Given:

Length (l) of cuboidal box = 25 cm

Breadth (b) of cuboidal box = 15 cm

Volume of box = 1875 cm^3

Formula Used:

Volume of cuboid = Length × Breadth × Height

Calculation:

Volume of the box = l × b × h

=> 1875 = 25 × 15 × h

=> h = 15 cm

Therefore The correct answer is 5 cm.

Q74. Answer: (c) C

Given:

Number of students in statistics discipline in college A = 250

Number of students in statistics discipline in college B = 320

Number of students in statistics discipline in college C = 400

Number of students in statistics discipline in college D = 250

Calculation:

From the data given in the table, we can say that,

Number of students in statistics discipline in college C = 400 is the highest among 250, 320, 400,250

Therefore The correct answer is college C has the maximum number of students in Statistics.

Q75. Answer: (d) 5

Given:

AB = 16 cm

PB = 6 cm

PD = 12 cm

Concept Used:

When two chords of a circle intersect within the circle, the product of the segments of one chord is equal to the product of the segments of the other chord.

Solution:

AP = AB - PB = 16 - 6 = 10 cm

According to the concept,

=> AP × PB = PC × PD

=> 10 × 6 = PC × 12

=> PC = (10 × 6)/12 = 5 cm

Therefore The value of PC is 5 cm.

Q76. Answer: (d) Accomodate

The solution is in Hindi. Read it online.

Q77. Answer: (b) accused in

The correct answer is 'accused in.'

Key Point

• The error lies in the usage of "in" after the verb "accuse."

• The correct preposition to use after 'accused' is 'of', not 'in.'

• Example: It had provided the opportunity for him to accuse her of being unfaithful.

• So, the correct answer is Option 2.

Correct sentence: "The government has been accused of not doing enough to combat climate change."

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Q78. Answer: (c) Fleeting

The solution is in Hindi. Read it online.

Q79. Answer: (a) DACB

The correct answer is "DACB."

Key Points

• The sentence is about talented people and their dialogue skills.

• The first part of the sentence is missing, so we need to start with the part that makes sense: "It is." So, the first part is D.

• The next logical part is "not the least talented", which sets up a comparison. So, the next part is A.

• The third part should be the one that contrasts with "not the least talented", which is "the most talented people". So, C must follow A.

• Finally, we need to add the part that explains what the most talented people are doing, which is "who are continually trying to improve their dialogue skills". So, the last part is B.

• The correct answer is option 1.

• Correct sentence:

It is the most talented people who are continually trying to improve their dialogue skills, not the least talented.

Q80. Answer: (c) since

The correct answer is "since."

Key Points

• The word "since" is used to indicate the starting point of a period of time.

• It refers to a time (an action that begun in the past and is still continuing).

• In this sentence, "since" is the most appropriate option as it indicates that the rain started in the morning and is still continuing.

• Example: We have been married since 1996.

• The word "from" is used to refer to a place or time at which any event/action/journey starts/initiates. The word since is used to refer to the time passed between then and now.

• Example: The movie will run from 10:00 a.m to 12:00 p.m.

• The word "for" would indicate a duration of time, but it doesn't fit the context of the sentence as it doesn't convey that the rain is still ongoing.

• Example: I was waiting for an hour.

• The correct answer is Option 3.

Correct sentence: It has been raining since morning.

Additional Information

• Option 1: "For" indicates a duration of time.

• Example: "I have been waiting for two hours."

• Option 2: "Though" indicates a contrast or concession.

• Example: "Though it was raining, we still went for a walk."

• Option 4: "Till" indicates an end point.

• Example: "The store is open till 10 PM."

Q81. Answer: (a) dishonesty

The solution is in Hindi. Read it online.

Q82. Answer: (a) Let me read the book

The correct answer is "Let me read the book."

Key Points

• The rules for changing an imperative sentence from passive to active voice is as follows:

• In passive voice, the object of the active sentence becomes the subject of the passive sentence.

• The subject of the active sentence becomes the agent (or doer) of the action in the passive sentence.

• To form the passive voice, use the auxiliary verb "be" + past participle of the main verb.

• In this sentence, "let" is already in the passive form, so we only need to change the subject and object.

• An imperative sentence in the passive voice has the following form:

• Structure:

• Let + subject + V1 + object. (Active voice)

• Let + object + be + past participle of the verb. (Passive voice)
• Example:
• Let us call Riya. (Active Voice)
• Let Riya be called by us. (Passive Voice)
• Therefore, the correct answer is Option 1.
Correct sentence: Let me read the book.

Q83. Answer: (b) to make an attempt

The solution is in Hindi. Read it online.

Q84. Answer: (b) D, A, C, B

The correct answer is "D, A, C, B."
Key Points
• The subject of the sentence is "Catherine and David," so the first part must be D.
• Part A has the verb "said," so A must follow D.
• The first part of the object is "that they are," so C must follow A.
• The second part of the object is "very sorry to hear this news," so the last part is B.
• The correct answer is Option 2.
Correct sentence: Catherine and David said that they are very sorry to hear this news.

Q85. Answer: (b) is not enough big to meet

The correct answer is "is not enough big to meet."
Key Points
• The error lies in the part "enough big" of the sentence.
• The correct phrase is "is not big enough to meet" instead of "is not enough big to meet."
• The error is in the placement of the words "enough" and "big."
• "Enough" should come after the adjective "big" to modify it.
• The correct answer is Option 2.
Correct sentence: The food container is not big enough to meet the demands of the affected people.

Q86. Answer: (a) Gift of the gab

The solution is in Hindi. Read it online.

Q87. Answer: (a) in the movie theater was reduced

The correct answer is "in the movie theater was reduced."
Key Points
• The error lies in the part "theater were reduced."
• According to the subject-verb agreement, a singular subject takes a singular verb and a plural subject takes a plural verb.
• The subject "number of seats" is singular, so the verb should also be singular ("was" instead of "were").
• "Of the movie theater" is grammatically incorrect because "number of seats" is not a possession of the theater.
• "Were being reduced" implies a continuous action, which is not necessary in this context.
• "Are reduced" is present tense, which is incorrect because the action has already happened in the past.
• The correct answer is Option 1.
Correct sentence: The number of seats in the movie theater was reduced to comply with the new social distancing guidelines.

Q88. Answer: (b) shody

The solution is in Hindi. Read it online.

Q89. Answer: (d) Denied

The solution is in Hindi. Read it online.

Q90. Answer: (a) contesting the elections

The solution is in Hindi. Read it online.

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Q91. Answer: (d) Consolation

The solution is in Hindi. Read it online.

Q92. Answer: (c) My friend had already booked the tickets.

The correct answer is "My friend had already booked the tickets."

Key Points

• The given sentence is in Past Perfect Tense and Active Voice.

• The rule for changing a Past Perfect Tense from Active voice to Passive voice:

• In the passive voice, the object of the active sentence becomes the subject of the passive sentence, and the verb is changed to its past participle form.

• Structure:

• Subject + had + V3 + Object (Active Voice)

• Object + had + been + V3 + by + Subject (Passive Voice)

• Example:

• Disha had arranged the things. (Active Voice)

• The things had been arranged by Disha. (Passive Voice)

• The sentence is in passive voice, with the subject 'tickets' performing the action 'booking'.

• To convert it into active voice, we need to make the object 'my friend' the subject and use the past participle form of the verb 'book'.

• In this case, we use the past perfect tense 'had already been offered' to show that the action was completed before another past event.

• The correct answer is Option 3.

Correct sentence: My friend had already booked the tickets.

Q93. Answer: (c) buy a pair of scissors

The correct answer is "buy a pair of scissors."

Key Points

• The sentence requires the plural form of 'scissors' as it is a tool with two blades.

• The correct phrase is 'a pair of scissors' as it refers to two individual blades that work together.

• 'Scissor' is incorrect as it is a singular noun and cannot be used in this context.

• The correct answer is Option 3.

Correct sentence: She has gone to the stationery store to buy a pair of scissors.

Q94. Answer: (a) Productive

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Q95. Answer: (d) egotism

The solution is in Hindi. Read it online.

Q96. Answer: (d) glimpse

The solution is in Hindi. Read it online.

Q97. Answer: (a) intricate

The solution is in Hindi. Read it online.

Q98. Answer: (b) reign

The solution is in Hindi. Read it online.

Q99. Answer: (d) testament

The solution is in Hindi. Read it online.

Q100. Answer: (d) appreciate

The solution is in Hindi. Read it online.

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