SSC CHSL Tier-1 2024: Official Paper (Held On: 01 Jul, 2024 Shift 3) (Previous Year Paper)

SSC Combined Higher Secondary Level (CHSL) • 2024 • 100 questions • 60 minutes • Answer key and solutions

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ENGLISH LANGUAGE

Q1. Select the option with the correct use of article(s).

(a) She kept lot of rules in her life, due to which she is flourishing today.
(b) She kept an lot of rules in her life, due to which she is flourishing today.
(c) She kept a lot of rules in her life, due to which she is flourishing today.
(d) She kept the lot of rules in her life, due to which she is flourishing today.

Q2. There is an error in the given sentence. From the options given, identify the sentence that corrects the error to make it a grammatically accurate sentence.

Harmit is not innocent such as Uday.

(a) Harmit is not as much as innocent as Uday.
(b) Harmit is not innocent than Uday.
(c) Harmit is not as innocent more than Uday.
(d) Harmit is not as innocent as Uday.

Q3. 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 project was completed / more quicker / than expected.

(a) The project was completed
(b) than expected
(c) No error
(d) more quicker

Q4. The following sentence has an error in its tense. Identify the error and select the correct sentence from the options.

If you had apprised me about your problem earlier, I would have allow you to go.

(a) If you had apprised me about your problem earlier, I would allow you to go.
(b) If you can apprise me about your problem earlier, I would have allowed you to go.
(c) If you had apprised me about your problem earlier, I would have allowed you to go.
(d) If you apprised me about your problem earlier, I would have allowed you to go.

Directions

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

Many parents think of overweight children as ‘cute’ and cuddly. However, obesity must not be (1)_____ as a healthy sign. (2) _____ obese children grow up, they will be more prone (3) _____ health problems like high blood pressure (4) _____ diabetes. Today, overweight children are becoming a common (5) _____ in many countries.

Q5. Select the most appropriate option to fill in blank no. 1.

(a) seen
(b) saw
(c) seeing
(d) see

Q6. Select the most appropriate option to fill in blank no. 2.

(a) Where
(b) Who
(c) When
(d) What

Q7. Select the most appropriate option to fill in blank no. 3.

(a) at
(b) in
(c) on
(d) to

Q8. Select the most appropriate option to fill in blank no. 4.

(a) neither
(b) nor
(c) or
(d) never

Q9. Select the most appropriate option to fill in blank no. 5.

(a) might
(b) light
(c) tight
(d) sight

Q10. Select the INCORRECTLY spelt word in the given sentence.

'Vande Mataram', a poignant poem, is obviously and indisputebly the premier national song of India.

(a) Premier
(b) Indisputebly
(c) Poignant
(d) Obviously

Q11. Select the most appropriate ANTONYM of the underlined word in the given sentence.

His opponents viewed him as stubborn, dogmatic, and inflexible.

(a) Biased
(b) Amenable
(c) Careless
(d) Dishonest

Q12. Select the most appropriate option to substitute the underlined segment in the following sentence.

The company do not broke the law at any time.

(a) did not breaking
(b) does not break
(c) do not brakes
(d) did not broken

Q13. Select the most appropriate ANTONYM of the underlined word in the given sentence.

It is no exaggeration to say the Hussain Sagar Lake is an integral element of Hyderabad and Hyderabad's history.

(a) essential
(b) total

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(c) inherent
(d) extra

Q14. Select the most appropriate synonym of the given word.

Respect

(a) Honour
(b) Disrespect
(c) Invalidate
(d) Attend

Q15. Select the most appropriate ANTONYM of the given word.

Shame

(a) Fear
(b) Disgrace
(c) Defamation
(d) Pride

Q16. Select the most appropriate option that can substitute the underlined word in the given sentence.

The family was saved from the burning building by the brave firefighter.

(a) fearless
(b) unafraid
(c) timid
(d) cowardly

Q17. Select the most appropriate ANTONYM of the word ‘bold’ in the given sentence.

A person can be friendly, timid, clever, or fearless based on the context of the situation.

(a) timid
(b) clever
(c) friendly
(d) fearless

Q18. Select the most appropriate homonym to fill in the blank.

Sonu eats _____ like a rabbit.

(a) caret
(b) karat
(c) carrot
(d) carat

Q19. Select the most appropriate meaning of the given idiom.

Blowing smoke

(a) To hide something
(b) To lie to perplex others
(c) To tease someone relentlessly
(d) To burn something important

Q20. Select the option that will most suitably substitute the underlined part of the given sentence.

He was not happy until he gave up his job and live as a fakir in the forests.

(a) until he gave up his job and lives
(b) until he gave up his job and lived
(c) unless he gave up his job and lives
(d) until he gives up his job and lived

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Q21. Select the most appropriate option that can substitute the underlined segment in the given sentence.

Dhruv's anger blazed of uncontrollably.

(a) anger blazed after
(b) anger blazed up
(c) anger blazed into
(d) anger blazed onwards

Q22. Select the most appropriate option that can substitute the underlined segment in the given sentence.

Riding a horse was a piece of cake for him.

(a) a very difficult task
(b) an everyday affair
(c) a very easy task
(d) confusing work

Q23. Select the most appropriate homonyms from the given alternatives to fill in the blanks.

He _____ imitate the playful movement of the _____.

Alternatives:

A. does (female deer)

B. does

C. dose

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

Q24. Select the most appropriate option that can best replace the bracketed word to fill in the blank

His _____ stature was not a measure of his overall personality. (scrawny)

(a) sickly
(b) keen
(c) thin
(d) muscular

Q25. Select the INCORRECTLY spelt word.

(a) Seize
(b) Dissappoint
(c) Rebuke
(d) Foresee

GENERAL INTELLIGENCE

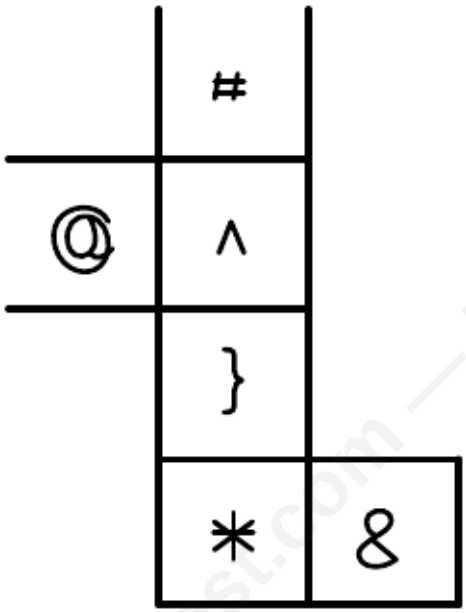
Q26. 105 is related to 15 following a certain logic. Following the same logic, 154 is related to 22.To which of the following is 189 related following the same logic?

(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) 21
(b) 29
(c) 27
(d) 23

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Q27. What would be the symbol on the opposite side of '@' if the given sheet is folded to form a cube?



(a) *
(b) }
(c) #
(d) &

Q28. 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 as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Modest : Humble

(a) Knowledge : Ignorance
(b) Success : Failure
(c) Obvious : Evident
(d) Brave : Fearful

Q29. In a certain code language, 'CERTAIN' is coded as '9643821' and 'UNCERTAIN' is coded as '964382117'. What is the code for 'U' in that language?

(a) 4
(b) 7
(c) 6
(d) 1

Q30. In a certain code language,

A + B means ‘A is the son of B’

A – B means ‘A is the brother of B’

A × B means ‘A is the wife of B’

A ÷ B means ‘A is the father of B’

Based on the above, how is P related to T if ‘P × Q − R + S ÷ T ’?

(a) Brother’s wife
(b) Brother’s wife’s mother
(c) Sister
(d) Mother

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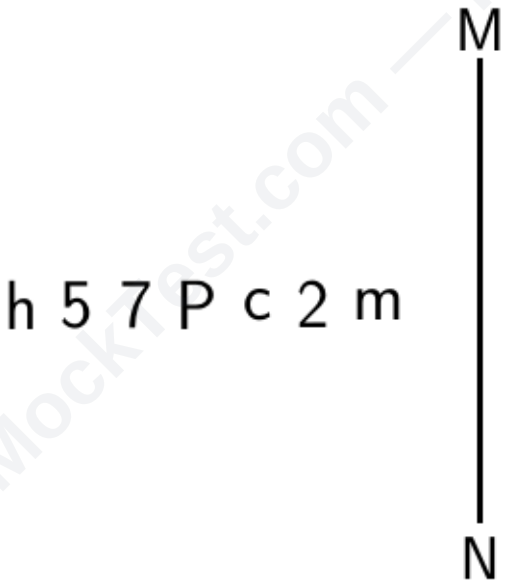
Q31. Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

CJM : FMP

AHL : DKO

(a) KOQ : PLJ
(b) LTV : TVL
(c) GHA : AHG
(d) NRS : QUV

Q32. Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



(a)



(b)



(c)



(d)



Q33. Which of the following numbers will replace the question mark (?) in the given series?

119 171 223 275 327 ?

(a) 379
(b) 357
(c) 386
(d) 369

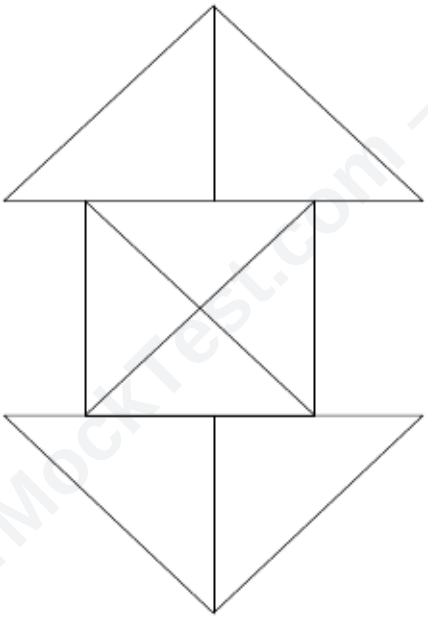
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Q34. What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

46 × 17 + 4 ÷ 98 - 7 = ?

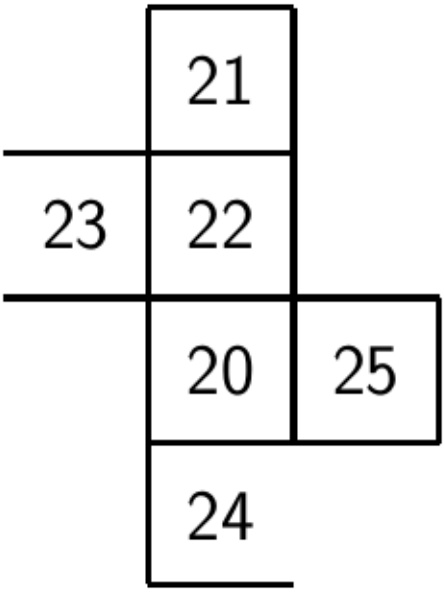
(a) 90
(b) 85
(c) 80
(d) 100

Q35. How many triangles are there in the given figure?



(a) 15
(b) 16
(c) 12
(d) 14

Q36. What would be the number on the opposite side of '20' if the given sheet is folded to form a cube?



(a) 23
(b) 25
(c) 21
(d) 22

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Q37. Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(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.)

(111, 16, 7)

(167, 14, 12)

(a) (108, 9, 12)
(b) (190, 21, 9)
(c) (140, 8, 17)
(d) (131, 12, 11)

Q38. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LDP, GHO, BLN, WPM, ?

(a) QSM
(b) QSN
(c) RSN
(d) RTL

Q39. What should come in place of? in the given series based on the English alphabetical order?

CKS LRC ? DFW MMG

(a) YAM
(b) VMO
(c) HGO
(d) UYM

Q40. If 15 August 2006 is a Tuesday, then what will the day of the week on 19 February 2012?

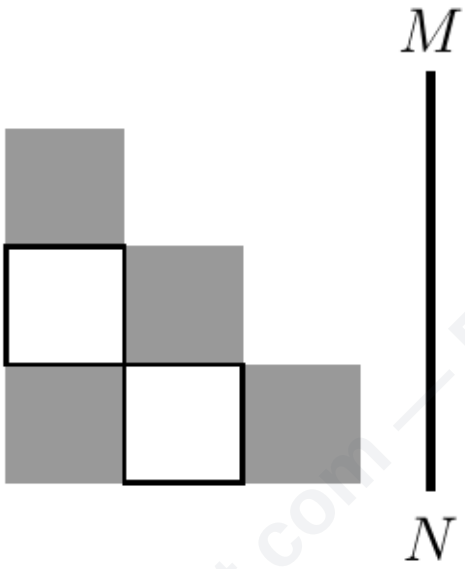
(a) Friday
(b) Saturday
(c) Sunday
(d) Tuesday

Q41. In a certain language, 'this is music' is written as 'Ta Bu Ka' and 'who touched this' is written as 'Pi Ka Bi'. How is 'this' written in the given language?

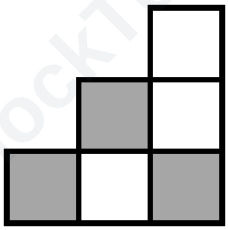
(a) Ta
(b) Ka
(c) Bi
(d) Bu

Q42. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

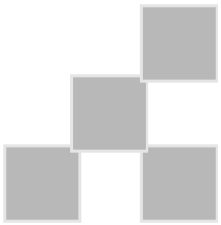
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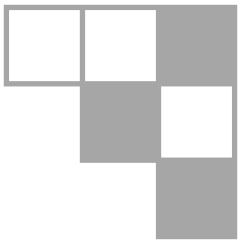
(a)



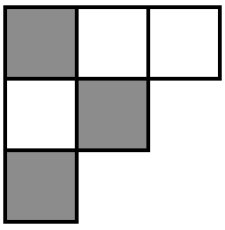
(b)



(c)



(d)



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Q43. What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

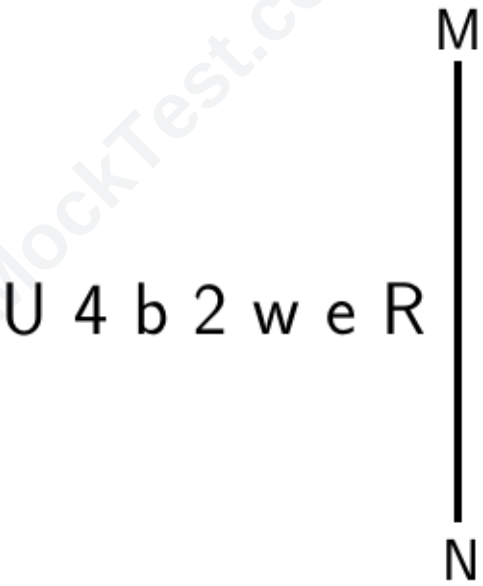
14 + 6 × 3 ÷ 7 - 2 = ?

(a) 3
(b) 8
(c) 10
(d) 2

Q44. How many meaningful English words can be formed with letters CKIK, using each letter only once in each word?

(a) 4
(b) 1
(c) 2
(d) 3

Q45. Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



(a)



(b)

(c)

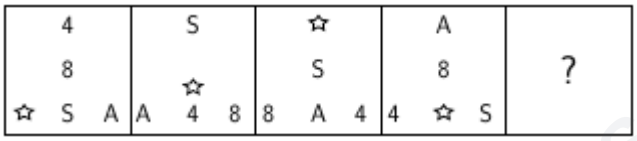


(d)

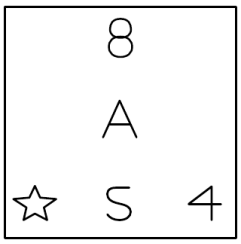


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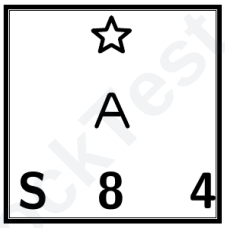
Q46. Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.



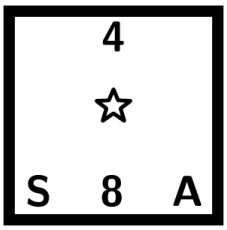
(a)



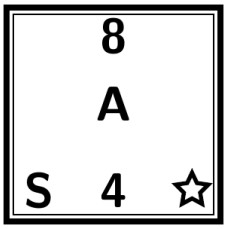
(b)



(c)



(d)



Q47. What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

91 × 7 + 27 - 7 ÷ 13 = ?

(a) 99
(b) 77
(c) 66
(d) 88

Q48. Three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

(a) MNQL
(b) EFHD
(c) VWZU

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(d) OPSN

Q49. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some handles are bars.

All bars are rods.

No rod is a stick.

Conclusions:

(I) Some handles are rods.

(II) No bar is a stick.

(a) Only conclusion II follows
(b) Only conclusion I follows
(c) None of the conclusions follow
(d) Both conclusions I and II follow

Q50. What should come in place of? in the given series?

4 13 ? 58 94 139 193

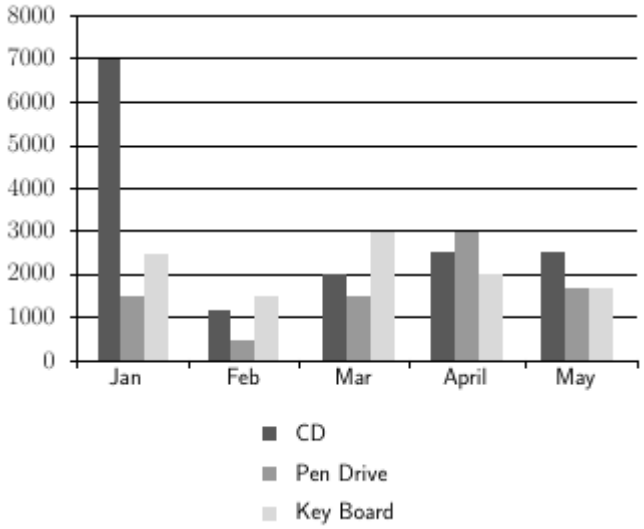
(a) 26
(b) 36
(c) 31
(d) 27

QUANTITATIVE APTITUDE

Q51. In an election between two candidates A and B, A got 33% of total votes casted and still lost by 55,522 votes. Find the total number of votes got by B.

(a) 1,09,114
(b) 1,09,411
(c) 1,09,141
(d) 1,04,911

Q52. The bar graph represents the production of different spare parts of computer in different months.



The ratio between the number of pen drives produced in the month of Jan, March and April is:

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

(d) 1 : 1 : 2

Q53. An amount becomes double in 7 years on simple interest. The amount would be four times in _____ years on the same rate of simple interest.

(a) 28
(b) 14
(c) 21
(d) 18

Q54. CD is a tangent to a circle of circumference of 88 cm with its centre at O. OC cuts the circle at P while OD cuts circle at V such that angle COD = 90°. Length of PC is 6 cm. What is half of CD (in cm) if OD exceeds OC by 1 cm?

(a) 15.5
(b) 16.5
(c) 14.5
(d) 31

Q55. Simplify:

(36 ÷ 6) ÷ 3 + (18 ÷ 9) × 4 - (12 ÷ 6) × (5 ÷ 2) =

(a) 10
(b) 15
(c) 21
(d) 5

Q56. The cost price of an item increased from Rs. 2,500 to Rs. 3,000. Find the increase percentage.

(a) 20%
(b) 30%
(c) 25%
(d) 15%

Q57. Given below is the observed data of the ages of various children.

Age in years	Number of children
6	8
7	3
8	7
9	2
10	20

What is the difference between the mean and mode of the ages?

(a) 1.425 years
(b) 2.425 years
(c) 4.425 years
(d) 3.425 years

Q58. A man can row 18 km/h in still water. It takes him two times as long to row up as to row down the river. Find the rate of the stream.

(a) 24 km/h
(b) 6 km/h
(c) 12 km/h
(d) 9 km/h

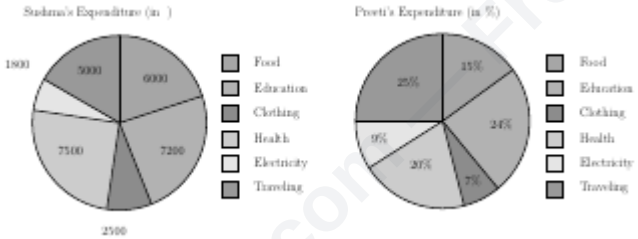
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Q59. The curved surface area of a cone is 2200 cm² and its radius is 25 cm, what is the slant height (in cm) of the cone?

(Use π=22/7)

(a) 24
(b) 22
(c) 28
(d) 23

Q60. Following Pie chart presents monthly expenditure by Sushma and Preeti in different heads. Sushma and Preeti make equal expenditure every month.



What is the difference between the expenditure (in Rs.) done on Food by Sushma and Preeti?

(a) 1000
(b) 500
(c) 1500
(d) 750

Q61. In what ratio must a grocer mix two varieties of pulses costing Rs. 60 and Rs. 75 per kg, respectively, so as to get a mixture worth Rs. 65 per kg?

(a) 2 : 3
(b) 2 : 1
(c) 3 : 4
(d) 1 : 2

Q62. The radius of a roller is 49 cm and its length is 200 cm. It takes 700 complete revolutions to move once over to level a playground. Find the area of the playground.

(Use π=22/7 .)

(a) 4322 × 104 cm2
(b) 4312 × 104 cm2
(c) 4312 × 10^2 cm2
(d) 4312 × 103 cm2

Q63. P pays Q a sum of Rs. 150 using coins of Rs. 2, Rs. 5 and Rs. 10. He uses a total of 50 coins. If the ratio of Rs. 2 and Rs. 5 coins used is 5 : 2, then how many coins of Rs. 10 are used in the payment?

(a) 1
(b) 4
(c) 5
(d) 2

Q64. If the selling price of 100 pens is equal to the cost price of 140 pens, find the profit percentage.

(a) 45%
(b) 36%
(c) 40%
(d) 30%

Q65. If the price of an article is raised by 35%, by how much per cent must a householder reduce his consumption of that article, so as not to increase his expenditure?

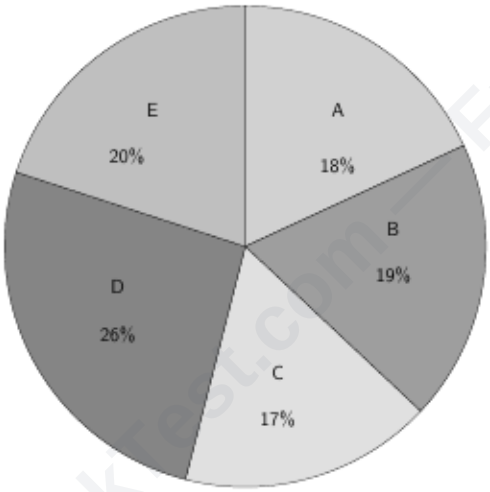
(a) 25 22/27 %
(b) 25 25/27 %
(c) 25 24/27 %

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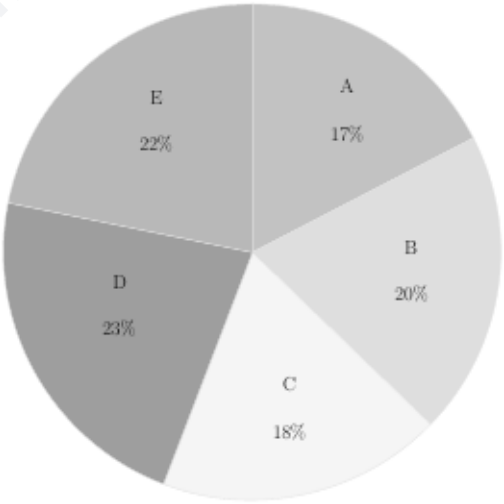
(d) 25 23/27 %

Q66. The given pie-charts show the distribution of Graduate and Post-graduate level students in five different colleges A, B, C, D and E.

Total number of Graduate level students = 18,900



Total number of Post-Graduate level students = 16,800



What is the ratio between the number of students studying at Post-Graduate and Graduate levels, respectively, from college E?

(a) 44 : 45
(b) 48 : 37
(c) 32 : 43
(d) 16 : 17

Q67. In a triangle ABC, AB = 6 units, BC = 8 units and AC = 10 units. Let M be a point on AC such that BM = 5 units. With a point D, a triangle BMD is formed and the triangle BMD is similar to the triangle ABC with BM/AB=BD/AC. What is the length of BD in units?

(a) 25/3
(b) 35/3
(c) 10/3
(d) 40/3

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Q68. Find the circumference of a circle whose area is 154 m^2.

(a) 44 m
(b) 29.5 m
(c) 39 m
(d) 52 m

Q69. If the radii of two circles are 6 cm and 3 cm and the length of the transverse common tangent is 8 cm, then the distance between the two circles is:

(a) √143
(b) √147
(c) √145
(d) √141

Q70. In an isosceles triangle, the angle between equal sides is 40°. The bisectors of the other two angles will intersect each other at an angle of:

(a) 100°
(b) 120°
(c) 110°
(d) 105°

Q71. A shopkeeper gives a 10% discount and still earns 10% profit. The marked price of the item is how many times (correct to 2 decimal places) the cost price?

(a) 1.24
(b) 1.22
(c) 1.28
(d) 1.20

Q72. If A : B = 3 : 7 and B : C = 2 : 5, find A : B : C.

(a) 10 : 3 : 4
(b) 6 : 14 : 35
(c) 4 : 10 : 3
(d) 4 : 3 : 10

Q73. If 1234567y is divisible by 11, then what is the value of y?

(a) 3
(b) 2
(c) 4
(d) 1

Q74. If cot A = 7, then the value of $(5 \cos A+4 \sin A)/(\cos^3 A+7 \sin^3 A+6 \sin A)$ is:

(a) 0
(b) 3
(c) 2
(d) 1

Q75. A and B can do a piece of work in 9 days and 15 days, respectively. If they work together, then the work will be completed in:

(a) 2 1/8 days
(b) 3 3/8 days
(c) 5 5/8 days
(d) 4 5/8 days

GENERAL AWARENESS

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Q76. In field hockey, _____ occurs when a player pushes the ball and raises it off the ground.

(a) bully
(b) flick
(c) slap
(d) centre pass

Q77. Who is the author of Natyashastra?

(a) Prabhupada
(b) Patanjali
(c) Panini
(d) Bharatmuni

Q78. What is the name of the highest peak of the Eastern Ghats?

(a) Khasi
(b) Anamudi
(c) Kangchenjunga
(d) Mahendragiri

Q79. The method of separating a mixture of soluble solids by dissolving them in a suitable hot solvent and then lowering the temperature slowly is called:

(a) sublimation
(b) fractional crystallisation
(c) azeotropic distillation
(d) dephlegmation

Q80. The Indian festival of Holi comes every year in the season of:

(a) autumn
(b) spring
(c) winter
(d) summer

Q81. How is the structure of health infrastructure and health care system in India?

(a) Two-tier system
(b) Four-tier system
(c) Five-tier system
(d) Three-tier system

Q82. In which year did Indian archers participate in the Olympics for the first time?

(a) 1988
(b) 1975
(c) 1973
(d) 1980

Q83. As compared to monopolistic competition, the demand curve in a monopoly is:

(a) equally elastic
(b) less elastic
(c) infinitely elastic
(d) more elastic

Q84. In 2022, the National Green Tribunal advised which of the following Ministries to form a three-member panel to formulate safeguards and guidelines to be followed by the State Environment Impact Assessment Authorities?

(a) Ministry of Home Affairs
(b) Ministry of Health and Family Welfare
(c) Ministry of Law and Justice
(d) Ministry of Environment, Forest and Climate Change

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Q85. Which country do the 'Veddas' traditional forest dwellers who foraged, hunted and lived in close-knit groups in caves in the dense jungles?

(a) Bhutan
(b) Sri Lanka
(c) Myanmar
(d) Nepal

Q86. What is the circumference of the International Football Association Board (IFAB) approved football?

(a) 80 - 82 cms
(b) 70 - 72 cms
(c) 68 - 70 cms
(d) 78 - 80 cms

Q87. Which group of animals has a segmented spinal column together with a few primitive forms in which the backbone is represented by a notochord?

(a) Vertebrata
(b) Echinodermata
(c) Mollusca
(d) Arthropoda

Q88. How might ICT enhance the openness of e-land records?

(a) Enabling quick search and retrieval of land records
(b) Reducing the need for land surveys and assessments
(c) Facilitating manual record updates and amendments
(d) Enforcing strict regulations on land transactions

Q89. Which of the following is NOT associated with the Industrial Policy Resolution, 1956?

(a) A system of licenses for the private sector was introduced.
(b) It classified industries into three categories.
(c) It formed the basis of the Third Five Year Plan.
(d) Regional equality was promoted.

Q90. Who is known as the 'Father of Carnatic Music'?

(a) Purandara Dasa
(b) Vidyaranya
(c) Thirunal Rama Varma
(d) Vishwanath Iyer

Q91. Which folk music is based on the Mahabharata with Bhima portrayed as hero?

(a) Mando
(b) Pandavani
(c) Dandiya
(d) Alha

Q92. Which of the following planets does NOT have a ring around it?

(a) Uranus
(b) Jupiter
(c) Saturn
(d) Mercury

Q93. In his 'Drain of Wealth' argument, who among the following stated that Britain was completely draining India?

(a) Dadabhai Naoroji
(b) Lala Lajpat Rai
(c) Badruddin Tyabji
(d) Bal Gangadhar Tilak

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Q94. _____ was sworn in as Central Vigilance Commissioner on 29 May 2023.

(a) Praveen Kumar Srivastava
(b) Arti C Srivastava
(c) Sarvan Kumar
(d) Uday Veer Singh

Q95. Which of the following states launched the first Migration Monitoring System in the year 2022?

(a) Maharashtra
(b) Goa
(c) Kerala
(d) Karnataka

Q96. In MS Word, which option allows you to align text in a way that it appears vertically at the bottom of a cell or text box?

(a) Center Alignment
(b) Bottom Alignment
(c) Justify Alignment
(d) Distributed Alignment

Q97. Which of the following Articles of the Constitution of India CANNOT be amended with simple majority?

(a) 2
(b) 3
(c) 169
(d) 21

Q98. Which amongst the following terms was used for the land given to Brahmins during the Chola empire?

(a) Brahmadeya
(b) Shalabhoga
(c) Tirunmatukkani
(d) Vellanvagai

Q99. Writ of Mandamus is a Fundamental Right classifiable under:

(a) cultural and educational rights
(b) the right to equality
(c) constitutional remedies
(d) the right to freedom of religion

Q100. Which language is known as ‘Italian of the East’?

(a) Kannada
(b) Malayalam
(c) Telugu
(d) Marathi

ANSWER KEY

1	c	2	d	3	d	4	c	5	a	6	c	7	d	8	c	9	d	10	b
11	b	12	b	13	d	14	a	15	d	16	a	17	a	18	c	19	b	20	b
21	b	22	c	23	d	24	c	25	b	26	c	27	d	28	c	29	b	30	a
31	d	32	d	33	a	34	d	35	d	36	c	37	d	38	d	39	d	40	c
41	b	42	b	43	d	44	b	45	a	46	d	47	b	48	b	49	d	50	c
51	b	52	d	53	c	54	c	55	d	56	a	57	a	58	b	59	c	60	c
61	b	62	b	63	a	64	c	65	b	66	a	67	a	68	a	69	c	70	c

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71	b	72	b	73	c	74	b	75	c	76	b	77	d	78	d	79	b	80	b
81	d	82	a	83	b	84	d	85	b	86	c	87	a	88	a	89	c	90	a
91	b	92	d	93	a	94	a	95	a	96	b	97	d	98	a	99	c	100	c

SOLUTIONS

Q1. Answer: (c) She kept a lot of rules in her life, due to which she is flourishing today.

The correct answer is 'C" i.e. "She kept a lot of rules in her life, due to which she is flourishing today." which uses the article correctly..

Key Points

• The article 'a' is used before words that begin with a consonant sound.

• The article 'an' is used before words that begin with a vowel sound.

• The phrase "a lot of" is correct because "lot" starts with a consonant sound.

• The use of "an lot" is incorrect because "lot" does not begin with a vowel sound.

Hence, the correct answer is option 3.

Correct sentence: She kept a lot of rules in her life, due to which she is flourishing today.

Q2. Answer: (d) Harmit is not as innocent as Uday.

The correct answer is 'D" i.e. "Harmit is not as innocent as Uday." which corrects the error and makes the sentence grammatically accurate..

Key Points

• The correct structure for making comparisons of equality is "as + adjective + as".

• For example, "She is as tall as her brother."

• Options 1, 2, and 3 do not use the correct comparative structure and hence are incorrect.

• Option 4 uses the correct comparative structure "as innocent as".

Hence, the correct answer is option 4.

Correct sentence: Harmit is not as innocent as Uday.

Additional Information

• The phrase "such as" is used to introduce examples, not to make comparisons.

• When comparing the degree of an adjective between two subjects, use the "as...as" structure.

• Example: "He is as intelligent as she is."

Q3. Answer: (d) more quicker

The correct answer is 'D" i.e. "more quicker" contains the error..

Key Points

• "Quicker" is the comparative form of "quick", so "more" should not be used with it.

• The correct comparative form is "quicker".

• Therefore, the phrase should be "completed quicker" instead of "more quicker".

Hence, the correct answer is option 4.

Correct sentence: The project was completed quicker than expected.

Q4. Answer: (c) If you had apprised me about your problem earlier, I would have allowed you to go.

The correct answer is 'C" i.e. "If you had apprised me about your problem earlier, I would have allowed you to go." which corrects the tense error in the sentence..

Key Points

• In conditional sentences that discuss hypothetical past events, the correct structure is "If + past perfect, would have + past participle".

• The original sentence incorrectly uses "allow" instead of the correct form "allowed".

• Option 3 correctly uses both the past perfect ("had apprised") and the past participle ("would have allowed").

• Options 1, 2, and 4 do not follow the correct conditional structure or tense.

Hence, the correct answer is option 3.

Correct sentence: If you had apprised me about your problem earlier, I would have allowed you to go.

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Q5. Answer: (a) seen

The solution is in Hindi. Read it online.

Q6. Answer: (c) When

The solution is in Hindi. Read it online.

Q7. Answer: (d) to

The solution is in Hindi. Read it online.

Q8. Answer: (c) or

The solution is in Hindi. Read it online.

Q9. Answer: (d) sight

The solution is in Hindi. Read it online.

Q10. Answer: (b) Indisputebly

The solution is in Hindi. Read it online.

Q11. Answer: (b) Amenable

The solution is in Hindi. Read it online.

Q12. Answer: (b) does not break

The correct answer is 'B" i.e. "does not break" which corrects the verb tense and subject-verb agreement in the sentence..

Key Points

• The original sentence uses the incorrect form "do not broke," which mixes present tense "do not" with past tense "broke" and is grammatically incorrect.

• "The company" is a singular noun, so we should use "does" instead of "do" to match the subject-verb agreement.

• Option 2 correctly uses the present tense "does not break" to match the subject "The company" and maintain the correct verb tense.

• Options 1, 3, and 4 do not follow the correct verb tense or subject-verb agreement rules.

Hence, the correct answer is option 2.

Correct sentence: The company does not break the law at any time.

Q13. Answer: (d) extra

The solution is in Hindi. Read it online.

Q14. Answer: (a) Honour

The solution is in Hindi. Read it online.

Q15. Answer: (d) Pride

The solution is in Hindi. Read it online.

Q16. Answer: (a) fearless

The solution is in Hindi. Read it online.

Q17. Answer: (a) timid

The solution is in Hindi. Read it online.

Q18. Answer: (c) carrot

The solution is in Hindi. Read it online.

Q19. Answer: (b) To lie to perplex others

The solution is in Hindi. Read it online.

Q20. Answer: (b) until he gave up his job and lived

The correct answer is Option 2 i.e. "until he gave up his job and lived".

Key Points

• The original sentence uses the past tense "gave up" and the present tense "live," which is inconsistent.

• For parallel structure and correct verb tense, both actions ("gave up" and "lived") should be in the past tense.

• Option 2 correctly uses the past tense for both verbs: "gave up" and "lived."

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• Options 1, 3, and 4 do not maintain the correct tense consistency or parallel structure.

Hence, the correct answer is option 2.

Correct sentence: He was not happy until he gave up his job and lived as a fakir in the forests.

Q21. Answer: (b) anger blazed up

The solution is in Hindi. Read it online.

Q22. Answer: (c) a very easy task

The solution is in Hindi. Read it online.

Q23. Answer: (d) B, A

The correct answer is 'D' 'i.e.' "B, A" which uses the correct homonyms for the given sentence.

Key Points

• The first blank requires a verb that fits "he," which is "does" (meaning performs an action).

• The second blank requires a noun referring to female deer, which is "does" (plural form of "doe").

• Option 4 ("B, A") matches these requirements correctly.

• Options 1, 2, and 3 either use incorrect homonyms or do not fit the context of the sentence.

Hence, the correct answer is option 4.

Correct sentence: He does imitate the playful movement of the does.

Q24. Answer: (c) thin

The solution is in Hindi. Read it online.

Q25. Answer: (b) Dissappoint

The solution is in Hindi. Read it online.

Q26. Answer: (c) 27

The logic followed here is:

Logic: (1st number ÷ 7 = 2nd number).

Now,

For, 105 : 15

=> 105 ÷ 7 = 15.

For, 154 : 22

=> 154 ÷ 7 = 22.

Similarly, for 189 : ?

=> 189 ÷ 7 = 27.

Hence, the correct answer is "Option 3".

Q27. Answer: (d) &

Opposite surface of the open dice can be found by the below methods: -

• Alternate surfaces are opposite to each other.

• No two opposite surface are touched by side or by corners.

So, by using the above rule we can find the opposite surface of open dice.

Below are the opposite surfaces: -

Here, we can see that the symbol on the opposite side of '@' is '&'.

Hence, the correct answer is "&".

Q28. Answer: (c) Obvious : Evident

The logic followed here is:

Logic: Synonyms.

Here,

Modest : Humble → Modest and Humble are synonyms.

Similarly,

Obvious : Evident → Obvious and Evident are synonyms.

Hence, the correct answer is "Option 3".

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Q29. Answer: (b) 7

According to the given information,
'CERTAIN' is coded as '9643821',
'UNCERTAIN' is coded as '964382117',
Here, we can see that the code for 'U' is '7'.
Hence, the correct answer is "7".

Q30. Answer: (a) Brother's wife

Preparing the family tree using the following symbols,
Given equation: P × Q − R + S ÷ T

Code	•	•	×	÷
Relation	Son	Brother	Wife	Father

The family tree can be drawn using the given information,
Here, we can see that P is brother's wife of T.
Hence, the correct answer is "Brother's wife".

Q31. Answer: (d) NRS : QUV

The logic followed here is,
CJM : FMP
AHL : DKO
Let's check each option,
1) KOQ : PLJ
2) LTV : TVL
3) GHA : AHG
4) NRS : QUV
Hence, the correct answer is "NRS : QUV".

Q32. Answer: (d) [figure]

The correct mirror image of the given figure is:
Hence, the correct answer is "Option 4".

Q33. Answer: (a) 379

The logic followed here is,
Hence, the correct answer is "379".

Q34. Answer: (d) 100

Given equation: 46 × 17 + 4 ÷ 98 - 7 = ?
Now, if '+' and '×' are interchanged and '-' and '÷' are interchanged, then:
=> 46 + 17 × 4 - 98 ÷ 7 = ?
=> 46 + 17 × 4 - 14 = ?
=> 46 + 68 - 14 = ?
=> 114 - 14 = 100.
Hence, the correct answer is "Option 4".

Q35. Answer: (d) 14

Let's count the number of triangles in the given figure,
Hence, the correct answer is "14".

Q36. Answer: (c) 21

Opposite surface of the open dice can be found by the below methods: -
• Alternate surfaces are opposite to each other.
• No two opposite surface are touched by side or by corners.
So, by using the above rule we can find the opposite surface of open dice.

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Below are the opposite surfaces: -
Here, we can see that the number on the opposite side of '20' is '21'.
Hence, the correct answer is "21".

Q37. Answer: (d) (131, 12, 11)

The logic followed here is:
Logic: (2nd number × 3rd number) - 1 = 1st number.
Now,
For, (111, 16, 7)
=> (16 × 7) - 1
= 112 - 1 = 111.
For, (167, 14, 12)
=> (14 × 12) - 1
= 168 - 1 = 167.
Similarly, for (131, 12, 11)
=> (12 × 11) - 1
= 132 - 1 = 131.
Hence, the correct answer is "Option 4".

Q38. Answer: (d) RTL

The logic followed here is,
Hence, the correct answer is "RTL".

Q39. Answer: (d) UYM

The logic followed here is,
Hence, the correct answer is "UYM".

Q40. Answer: (c) Sunday

Given: 15 August 2006 was Tuesday.
Now,
2006 to 2011 = 5 Years (4 Ordinary Years and 1 Leap Year).
And, In 5 Years = 1 Leap year and 4 Ordinary Years.
So, 1 Leap Year has 2 odd days,
And, 4 Ordinary Years have 4 odd days.
Total odd days = 2 + 4 = 6.
6 odd days → 6/7 = 0 weeks and 6 odd days.
then, 15 August 2011 will be Tuesday + 6 = Monday.
Now, the number of days between 15 August 2011 to 19 February 2012
= 16(August) + 30(September) + 31(October) + 30(November) + 31(December) + 31(January) + 19(February) = 188 days.
= 188 days → 188/7 = 26 weeks and 6 odd days.
So, 19 February 2012 will be Monday + 6 = Sunday.
Hence, the correct answer is "Option 3".

Q41. Answer: (b) Ka

According to the given information,
Here, we can see that the code for 'this' is 'ka'.
Hence, the correct answer is "Ka".

Q42. Answer: (b) [figure]

The correct mirror image of the given figure is:
Hence, the correct answer is "Option 2".

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Q43. Answer: (d) 2

BODMAS Table:

Given equation: 14 + 6 × 3 ÷ 7 - 2 = ?

Now, if '+' and '-' interchanged and '×' and '÷' are interchanged, then:

=> 14 - 6 ÷ 3 × 7 + 2 = ?

=> 14 - 2 × 7 + 2 = ?

=> 14 - 14 + 2 = ?

=> 16 - 14 = 2

Hence, the correct answer is "Option 4".

Q44. Answer: (b) 1

The logic follows is:

Given letters: CKIK

Now, using each letter only once in each word, the meaningful word is: KICK

So, there is only one meaningful English words can be formed from the given letters.

Hence, the correct answer is "Option 2".

Q45. Answer: (a) [figure]

The correct mirror image of the given figure is:

Hence, the correct answer is "Option 1".

Q46. Answer: (d) [figure]

The logic followed here is:

Logic: The series follows Step 1 and Step 2 on alternative basis to get the subsequent images of the series.

Hence, the correct answer is "Option 4".

Q47. Answer: (b) 77

BODMAS Table:

Given equation: 91 × 7 + 27 - 7 ÷ 13 = ?

Now, if '+' and '-' and '×' and '÷' are interchanged, then:

=> 91 ÷ 7 - 27 + 7 × 13 = ?

=> 13 - 27 + 7 × 13 = ?

=> 13 - 27 + 91 = ?

=> 104 - 27 = 77.

Hence, the correct answer is "Option 2".

Q48. Answer: (b) EFHD

Let's check each option,

1) MNQL

2) EFHD

3) VWZU

4) OPSN

Here, we can see that Option 2 is different from others.

Hence, the correct answer is "EFHD".

Q49. Answer: (d) Both conclusions I and II follow

The least possible venn diagram is shown below,

Conclusions:

(I) Some handles are rods → True (Some handles are bars and all bars are rods implies that some handles which are bars are also rods).

(II) No bar is a stick → True (All bars are rods and no rod is a stick implies that no bar is a stick).

Hence, the correct answer is "Both conclusions I and II follow".

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Q50. Answer: (c) 31

The logic followed here is,

Hence, the correct answer is "31".

Q51. Answer: (b) 1,09,411

Shortcut Trick

Let the total votes be 100%.

Candidate A got 33%, so Candidate B got (100 − 33) = 67%.

Difference in votes = 67% − 33% = 34%.

Given 34% → 55,522 votes.

Votes of Candidate B (67%) = (55,522 ÷ 34) × 67 = 1,633 × 67 = 1,09,411.

Therefore The correct answer is 1,09,411 votes.

Alternate Method

Given:

Votes of Candidate A = 33% of total.

Victory Margin (Loss margin for A) = 55,522 votes.

Calculations:

=> Let Total Votes = V

=> Votes of B = V − 0.33V = 0.67V

=> Difference = Votes of B − Votes of A

=> 55,522 = 0.67V − 0.33V

=> 55,522 = 0.34V

=> V = 55,522 ÷ 0.34 = 1,63,300

=> Votes of B = 0.67 × 1,63,300

=> Votes of B = 1,09,411

Therefore The correct answer is 1,09,411 votes.

Additional Information

Percentage Change

Percentage change is calculated as (Difference ÷ Original Value) × 100.

Valid and Invalid Votes

Total Casted Votes = Valid Votes + Invalid Votes. Winning/Losing margins are usually calculated on valid votes unless specified.

Two Candidate Election Rule

In a two-way contest, if one candidate gets x%, the other must get (100 − x)% of the total votes.

Q52. Answer: (d) 1 : 1 : 2

Solution:

Jan = 1500

March = 1500

April = 3000

According to the question,

1500 : 1500 : 3000

=> 1 : 1: 2

Therefore The ratio between the number of pen drives produced in the month of Jan, March and April is 1 : 1: 2.

Q53. Answer: (c) 21

Shortcut Trick

Interest for amount to double (n1=2) = 2 − 1 = 1 unit.

Interest for amount to be four times (n2=4) = 4 − 1 = 3 units.

As Simple Interest is directly proportional to time (SI prop. to T):

1 unit interest → 7 years

3 units interest → 7 × 3 = 21 years

Therefore The correct answer is 21.

Alternate Method

Given: Principal = P, Case 1 Amount = 2P, Time = 7 years, Case 2 Amount = 4P.

Formula: SI = (P × R × T) ÷ 100 | Amount = P + SI

P

2P

4P

7 Years

T = ?

SI = P

Total SI = 3P

=> SI1 = Amount1 − P = 2P − P = P

=> R = (SI1 × 100) ÷ (P × T1) = (P × 100) ÷ (P × 7) = 100 ÷ 7 %

=> SI2 = Amount2 − P = 4P − P = 3P

=> T2 = (SI2 × 100) ÷ (P × R)

=> T2 = (3P × 100) ÷ (P × (100 ÷ 7))

=> T2 = 3 × 100 × 7 ÷ 100 = 21 years

Therefore The correct answer is 21.

Additional Information

Simple Interest Rate Formula

If an amount becomes n times in T years, the rate of interest is R = 100 × (n − 1) ÷ T.

Compound Interest Basics

In Compound Interest, the amount A after T years is A = P(1 + R/100)^T. Interest is calculated on the updated balance every cycle.

SI vs CI Relationship

For the first year (or first interest period), the Simple Interest and Compound Interest on the same principal and rate are always equal.

Rule of 72

A quick way to estimate the time to double money with Compound Interest: T ≈ 72 ÷ R (where R is the annual interest rate).

Q54. Answer: (c) 14.5

Shortcut Trick

Radius r = (88 × 7) ÷ (2 × 22) = 14 cm.

OC = r + PC = 14 + 6 = 20 cm.

OD = OC + 1 = 21 cm.

CD = √(20² + 21²) = √(400 + 441) = 29 cm.

Half of CD = 29 ÷ 2 = 14.5 cm.

Therefore The correct answer is 14.5 cm.

Alternate Method

Given:

Circumference = 88 cm

PC = 6 cm, OD = OC + 1 cm

angle COD = 90°

Formula Used:

Circumference = 2 × π × r

Hypotenuse² = Base² + Perpendicular²

O (Center)

C

D

P

V

r = 14

PC = 6

r = 14

CD = 29

Step 1: Find the radius (r) of the circle.

=> 2 × (22 ÷ 7) × r = 88

=> 44 ÷ 7 × r = 88

=> r = 88 × (7 ÷ 44)

=> r = 2 × 7 = 14 cm

Step 2: Find the lengths of OC and OD.

=> OC = OP + PC = r + 6 = 14 + 6 = 20 cm

=> OD = OC + 1 = 20 + 1 = 21 cm

Step 3: Calculate the length of CD using Pythagoras theorem in ΔCOD.

=> $CD^2 = OC^2 + OD^2$

=> $CD^2 = 20^2 + 21^2$

=> $CD^2 = 400 + 441 = 841$

=> CD = √841 = 29 cm

Step 4: Find half of CD.

=> Half of CD = 29 ÷ 2 = 14.5 cm

Therefore The correct answer is 14.5 cm.

Additional Information

Circle Properties

Circumference C = 2πr and Area A = πr^2. The radius is the distance from the center to any point on the boundary.

Pythagorean Triplets

Sets of three integers (a, b, c) such that $a^2 + b^2 = c^2$. Common triplets include (3, 4, 5), (5, 12, 13), (8, 15, 17), and (20, 21, 29).

Tangent Property

A tangent to a circle is perpendicular to the radius at the point of contact. The length of the perpendicular from center (0,0) to line ax + by + c = 0 is |c| ÷ $\sqrt{(a^2+b^2)}$.

Q55. Answer: (d) 5

Given:

Simplify: (36 ÷ 6) ÷ 3 + (18 ÷ 9) × 4 - (12 ÷ 6) × (5 ÷ 2)

Concept:

To simplify the expression, follow the order of operations (PEMDAS/BODMAS): Parentheses/Brackets, Exponents/Orders, Multiplication and Division (from left to right), Addition and Subtraction (from left to right).

Calculation:

=> (36 ÷ 6) ÷ 3 + (18 ÷ 9) × 4 - (12 ÷ 6) × (5 ÷ 2)

=> 6 ÷ 3 + 2 × 4 - 2 × 2.5

=> 2 + 8 - 5

=> 10 - 5

=> 5

Therefore The correct answer is option 4 (5).

Q56. Answer: (a) 20%

Given:

Cost price increased from Rs. 2,500 to Rs. 3,000.

Concept:

The percentage increase is calculated by the formula:

Percentage Increase = ((New Value - Old Value) / Old Value) × 100

Calculation:

=> Old Value = Rs. 2,500

=> New Value = Rs. 3,000

=> Increase = New Value - Old Value

=> Increase = 3,000 - 2,500

=> Increase = 500

=> Percentage Increase = (500 / 2,500) × 100

=> Percentage Increase = 0.2 × 100

=> Percentage Increase = 20%

Therefore The correct answer is option 1.

Q57. Answer: (a) 1.425 years

Solution:

Mean = (6 × 8 + 7 × 3 + 8 × 7 + 9 × 2 + 10 × 20)/(8 + 3 + 7 + 2 + 20)

=> (48 + 21 + 56 + 18 + 200)/40

=> 343/40

Mean = 8.575

Mode Most frequent, Mode = 10, due to the number of children maximum in the 20 children.

The difference between the mean and mode of the ages

=> 10 - 8.575

=> 1.425 years

Therefore The difference between the mean and mode of the ages is 1.425 years.

Q58. Answer: (b) 6 km/h

Given:

The speed of the man in still water is 18 km/h.

The time to row upstream is twice the time to row downstream.

Concept:

Let the speed of the stream be x km/h.

Speed upstream = (18 - x) km/h

Speed downstream = (18 + x) km/h

Since time is inversely proportional to speed, and the time to row upstream is twice the time to row downstream, we can use the relationship between upstream and downstream speeds.

Formula Used:

Time ratio = Speed ratio

Calculation:

Given, time to row upstream = 2 × time to row downstream

=> (18 - x) = (1/2) × (18 + x)

=> 2(18 - x) = 18 + x

=> 36 - 2x = 18 + x

=> 36 - 18 = 3x

=> 18 = 3x

=> x = 6

Therefore The rate of the stream is 6 km/h.

Q59. Answer: (c) 28

Given:

Curved surface area of a cone (CSA) = 2200 cm^2

Radius (r) = 25 cm

Use π = 22/7

Concept:

The formula for the curved surface area of a cone is:

CSA = π × r × l

where l is the slant height.

Calculation:

We have:

=> 2200 = (22/7) × 25 × l

=> l = 2200 × (7/22) × (1/25)

=> l = 4 × 7

=> l = 28

Therefore The slant height (l) of the cone is 28 cm.

Q60. Answer: (c) 1500

Solution:

Sushma Expenditure = 6000

Total expenditure of Sushma = 6000 + 7200 + 2500 + 7500 + 1800 + 5000

=> 30000

According to the question,

Preeti expenditure in food = 15%

=> 30000 × 15/100

=> 4500

Therefore The difference between the expenditure (in Rs.) done on Food by Sushma and Preeti is 6000 - 4500 = 1500.

Q61. Answer: (b) 2 : 1

Given:

Cost of first variety of pulses = Rs. 60 per kg

Cost of second variety of pulses = Rs. 75 per kg

Cost of the mixture = Rs. 65 per kg

Concept:

To find the ratio in which two varieties should be mixed to get a mixture of a given price, we use the rule of alligation.

Formula Used:

If two ingredients are mixed, their ratio is given by:

Ratio = (Price of second ingredient - Price of mixture) : (Price of mixture - Price of first ingredient)

Calculation:

We have,

=> Price of first variety = Rs. 60 per kg

=> Price of second variety = Rs. 75 per kg

=> Price of mixture = Rs. 65 per kg

=> Ratio = (75 - 65) : (65 - 60)

=> Ratio = 10 : 5

=> Ratio = 2 : 1

Therefore The grocer must mix the pulses in the ratio 2:1.

Q62. Answer: (b) 4312 × 104 cm2

Given:

Radius of roller (r) = 49 cm

Length of roller (h) = 200 cm

Number of revolutions (n) = 700

Use π = 22/7

Concept:

The area covered by the roller in one revolution is the lateral surface area of the cylinder.

Formula Used:

Lateral Surface Area of Cylinder = 2πrh

Total Area = Lateral Surface Area × Number of Revolutions

Calculation:

We have,

=> r = 49 cm, h = 200 cm, π = 22/7

=> Lateral Surface Area = 2 × (22/7) × 49 × 200

=> Lateral Surface Area = 2 × 22 × 49 × 200 / 7

=> Lateral Surface Area = 2 × 22 × 7 × 200

=> Lateral Surface Area = 2 × 22 × 1400

=> Lateral Surface Area = 61600 cm²

=> Total Area = 61600 × 700

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=> Total Area = 43120000 cm²

Therefore The area of the playground is 4312 × 10^4 cm².

Hence, the correct answer is option 2.

Q63. Answer: (a) 1

Given:

Sum = Rs. 150

Total coins = 50

Ratio of Rs. 2 and Rs. 5 coins = 5 : 2

Concept:

We need to find the number of Rs. 10 coins used. Let the number of Rs. 2 coins be 5x and Rs. 5 coins be 2x, where x is a common factor.

Calculation:

Total coins equation:

=> 5x + 2x + Number of Rs. 10 coins = 50

=> 7x + Number of Rs. 10 coins = 50 ...(1)

Total amount equation:

=> 2(5x) + 5(2x) + 10(Number of Rs. 10 coins) = 150

=> 10x + 10x + 10(Number of Rs. 10 coins) = 150

=> 20x + 10(Number of Rs. 10 coins) = 150 ...(2)

Solving equation (1):

=> Number of Rs. 10 coins = 50 - 7x

Substitute into equation (2):

=> 20x + 10(50 - 7x) = 150

=> 20x + 500 - 70x = 150

=> -50x + 500 = 150

=> -50x = 150 - 500

=> -50x = -350

=> x = 7

Now, find the Number of Rs. 10 coins:

=> Number of Rs. 10 coins = 50 - 7x

=> Number of Rs. 10 coins = 50 - 7(7)

=> Number of Rs. 10 coins = 50 - 49

=> Number of Rs. 10 coins = 1

Therefore The correct answer is option 1

Q64. Answer: (c) 40%

Given:

Selling price of 100 pens = Cost price of 140 pens

Concept:

To find the profit percentage, we need to determine the cost price (CP) and selling price (SP) for one pen and then use the profit percentage formula.

Formula Used:

Profit Percentage = ((SP - CP) / CP) × 100%

Calculation:

Let the cost price of one pen be CP.

Then, the cost price of 140 pens = 140 × CP

Given that the selling price of 100 pens is equal to the cost price of 140 pens,

=> Selling price of 100 pens = 140 × CP

=> Selling price of one pen = (140 × CP) / 100

=> Selling price of one pen = 1.4 × CP

Now, we calculate the profit percentage:

=> Profit Percentage = ((1.4 × CP - CP) / CP) × 100%

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=> Profit Percentage = (0.4 × CP / CP) × 100%

=> Profit Percentage = 0.4 × 100%

=> Profit Percentage = 40%

Therefore The correct answer is option 3.

Q65. Answer: (b) 25 25/27 %

Given:

The price of an article is raised by 35%.

Concept Used:

To maintain the same expenditure when the price increases, the consumption must decrease proportionally. This can be calculated using the formula for percentage decrease.

Formula Used:

Percentage decrease in consumption = (Percentage increase in price) / (100 + Percentage increase in price) × 100

Calculation:

We have,

Percentage increase in price = 35%

=> Percentage decrease in consumption = (35 / (100 + 35)) × 100

=> Percentage decrease in consumption = (35 / 135) × 100

=> Percentage decrease in consumption = (7 / 27) × 100

=> Percentage decrease in consumption = 25 (25/27)%

Therefore The correct answer is option 2.

Q66. Answer: (a) 44 : 45

Solution:

According to the question,

16800 × 22/100 : 18900 × 20/100

=> 88 : 90

=> 44 : 45

Therefore The ratio between the number of students studying at Post-Graduate and Graduate levels, respectively, from college E is 44 : 45.

Q67. Answer: (a) 25/3

Given:

AB = 6 units, BC = 8 units, AC = 10 units, BM = 5 units

BM/AB = BD/AC

Calculation:

We have,

BM/AB = BD/AC

=> 5/6 = BD/10

=> BD = (10 × 5)/6

=> BD = 50/6 = 25/3 units

Therefore The correct answer is option (1).

Q68. Answer: (a) 44 m

Given:

Area of the circle (A) = 154 m^2

Concept:

The circumference of a circle is given by the formula C = 2πr.

Formula Used:

Area of the circle: A = πr^2

Circumference of the circle: C = 2πr

Calculation:

We have,

=> A = 154 m²

=> πr² = 154

=> r² = 154 / π

Using π ≈ 22/7,

=> r² = 154 × 7 / 22

=> r² = 49

=> r = √49

=> r = 7 m

Now, using the radius to find the circumference:

=> C = 2πr

=> C = 2 × 22/7 × 7

=> C = 44 m

Therefore The circumference of the circle is 44 m.

Q69. Answer: (c) √145

Given:

If the radii of two circles are 6 cm and 3 cm and the length of the transverse common tangent is 8 cm

Formula Used:

Length of transversal common tangent = √{(Distance between centres)2 – (sum of radii)2}

Solution:

According to the question,

8 = √(d² - (6 + 3)²

=> d² = 64 + 81

=> d = √145

Therefore The distance between the two circles is √145 cm.

Q70. Answer: (c) 110°

Given:

In an isosceles triangle, the angle between equal sides is 40º.

Concept Used:

The angle bisectors of a triangle intersect at the incenter, and the angle between the bisectors of the base angles in an isosceles triangle can be found using the properties of angle bisectors and triangle angles.

Calculation:

We have an isosceles triangle with the angle between the equal sides as 40º.

Since the triangle is isosceles, the base angles are equal.

=> Let each base angle be θ.

Sum of angles in a triangle is 180º.

=> θ + θ + 40º = 180º

=> 2θ = 140º

=> θ = 70º

Now, we need to find the angle between the angle bisectors of the base angles.

Each base angle is bisected into two equal parts, so:

=> Each bisected angle = 70º / 2 = 35º

The angle between the bisectors of the base angles is:

=> 180º - (35º + 35º)

=> 180º - 70º

=> 110º

Therefore The bisectors of the other two angles will intersect each other at an angle of 110º.

Q71. Answer: (b) 1.22

Shortcut Trick

MP/CP = (100 + profit%) / (100 - discount%)

=> MP/CP = (100 + 10) / (100 - 10)

=> MP/CP = 110/90 = 11/9

=> MP/CP = 1.22

=> MP = 1.22 CP

Thus, the marked price of the item is 1.22 times the cost price.

Therefore The correct answer is option (2).

Alternate Method

Given:

A shopkeeper gives a 10% discount and still earns a 10% profit. The marked price of the item is how many times (correct to 2 decimal places) the cost price?

Concept:

To find the relationship between the marked price (MP) and the cost price (CP), considering the discount and profit percentage.

Formula Used:

Discounted Price (SP) = Marked Price (MP) × (1 - Discount %)

Selling Price (SP) = Cost Price (CP) × (1 + Profit %)

Calculation:

Let CP = Rs. 100 (assuming for simplicity)

Given profit = 10%

=> SP = CP × (1 + 0.10) = 100 × 1.10 = Rs. 110

Given discount = 10%

=> SP = MP × (1 - 0.10) = MP × 0.90

Equating both SP equations:

=> MP × 0.90 = Rs. 110

=> MP = Rs. 110 / 0.90

=> MP = Rs. 122.22

Therefore, the marked price (MP) is how many times the cost price (CP):

=> MP / CP = Rs. 122.22 / Rs. 100

=> MP / CP = 1.22

Therefore The correct answer is option 2 (1.22).

Q72. Answer: (b) 6 : 14 : 35

Given:

A : B = 3 : 7 and B : C = 2 : 5

Concept:

To find the combined ratio A : B : C, we need to make the B values in both ratios equal.

Calculation:

We have,

A : B = 3 : 7

B : C = 2 : 5

First, find the common multiple of B in both ratios.

=> LCM of 7 and 2 is 14

Adjust the ratios to have the same B value:

=> A : B = 3 × 2 : 7 × 2 = 6 : 14

=> B : C = 2 × 7 : 5 × 7 = 14 : 35

Now, combine the ratios:

=> A : B : C = 6 : 14 : 35

Therefore The correct answer is option 2 (6 : 14 : 35).

Q73. Answer: (c) 4

Given:

If 1234567y is divisible by 11, then what is the value of y?

Concept:

A number is divisible by 11 if the difference between the sum of the digits in the odd positions and the sum of the digits in the even positions is either 0 or a multiple of 11.

Calculation:

We have the number 1234567y.

Sum of the digits in odd positions (1st, 3rd, 5th, 7th):

=> 1 + 3 + 5 + 7 = 16

Sum of the digits in even positions (2nd, 4th, 6th, 8th):

=> 2 + 4 + 6 + y = 12 + y

For the number to be divisible by 11:

=> (Sum of odd positions) - (Sum of even positions) = 0 or multiple of 11

=> 16 - (12 + y) = 0 or multiple of 11

=> 16 - 12 - y = 0 or multiple of 11

=> 4 - y = 0 or multiple of 11

=> y = 4 (since 4 is within the range 0-9 for a single digit)

Therefore The value of y is 4.

Q74. Answer: (b) 3

Shortcut Trick

Divide the numerator and denominator by $\sin^3 A$ to express the expression in terms of cot A.

Numerator becomes: $(5 \cos A + 4 \sin A) \div \sin^3 A = 5 \cot A \operatorname{cosec}^2 A + 4 \operatorname{cosec}^2 A = (5 \cot A + 4)(1 + \cot^2 A)$.

Denominator becomes: $(\cos^3 A + 7 \sin^3 A + 6 \sin A) \div \sin^3 A = \cot^3 A + 7 + 6 \operatorname{cosec}^2 A = \cot^3 A + 7 + 6(1 + \cot^2 A)$.

Substitute cot A = 7: Numerator = $(5\times7 + 4)(1 + 49) = 39 \times 50 = 1950$. Denominator = $343 + 7 + 6(50) = 350 + 300 = 650$. Result = $1950 \div 650 = 3$.

Therefore The correct answer is 3.

Alternate Method

Given: cot A = 7 => cos A / sin A = 7 => cos A = 7 sin A.

Substitute cos A = 7 sin A into the given expression:

=> Expression = $[5(7 \sin A) + 4 \sin A] \div [(7 \sin A)^3 + 7 \sin^3 A + 6 \sin A]$

=> Expression = $[35 \sin A + 4 \sin A] \div [343 \sin^3 A + 7 \sin^3 A + 6 \sin A]$

=> Expression = $[39 \sin A] \div [350 \sin^3 A + 6 \sin A]$

=> Expression = $[39 \sin A] \div [\sin A (350 \sin^2 A + 6)]$

=> Expression = $39 \div (350 \sin^2 A + 6)$

Since cot A = 7, then $\operatorname{cosec}^2 A = 1 + \cot^2 A = 1 + 49 = 50$. => $\sin^2 A = 1/50$.

=> Expression = $39 \div [350 \times (1/50) + 6]$

=> Expression = $39 \div [7 + 6] = 39 \div 13$

=> Expression = 3

Therefore The correct answer is 3.

Additional Information

Trigonometric Identities

Fundamental relations: $\sin^2 A + \cos^2 A = 1$, $1 + \tan^2 A = \sec^2 A$, and $1 + \cot^2 A = \operatorname{cosec}^2 A$.

Ratio Conversion

To convert an expression containing sin and cos into tan or cot, divide the terms by $\cos^n A$ or $\sin^n A$ respectively where n is the highest power.

Reciprocal Relations

sin A = 1/cosec A, cos A = 1/sec A, and tan A = 1/cot A.

Q75. Answer: (c) 5 5/8 days

Given:

A and B can do a piece of work in 9 days and 15 days

Solution:

A can do piece of work in 9 days

B can do piece of work in 15 days

Total Work = LCM of (9 and 15) = 45

Efficiency of A = 45/9 = 5

Efficiency of B = 45/15 = 3

The work will be = 45/(3 + 5)

=> 5(5/8) days

Therefore The work will be completed in 5(5/8) Days.

Q76. Answer: (b) flick

The correct answer is flick

Key Points

• A flick occurs when a player pushes the ball and raises it off the ground in field hockey.

• This technique is often used to lift the ball over an opponent's stick or to make an aerial pass.

• It requires precise control and timing to execute effectively.

• Flicks are also used in penalty corners to shoot at the goal.

Additional Information

• The bully is a method used to restart play, similar to a face-off in ice hockey.

• A slap involves hitting the ball with a slapping motion, keeping it close to the ground.

• A centre pass is used to start or restart the game from the center of the field.

• Field hockey is a game played between two teams of eleven players, using sticks to hit a ball into the opponent's goal.

Q77. Answer: (d) Bharatmuni

The correct answer is Bharatmuni

Key Points

• Bharatmuni is traditionally considered the author of the ancient Indian treatise on performing arts called the Natyashastra.

• The Natyashastra is a comprehensive text on ancient Indian dramaturgy, covering theatre, dance, and music.

• It is believed to have been written between 200 BCE and 200 CE.

• This work is highly influential and forms the foundation of Indian classical arts.

• The treatise is divided into 36 chapters, and it provides detailed instructions on various aspects of performance, including stage design, music, dance, makeup, and the role of actors.

Additional Information

• Bharatmuni is often referred to as the father of Indian theatrical arts.

• The Natyashastra has had a significant impact on various classical dance forms in India, such as Bharatanatyam, Kathak, and Odissi.

• The text also delves into the theory of Rasa, which is the emotional experience evoked in the audience by the performance.

• The Natyashastra remains a critical reference for scholars and practitioners of Indian classical arts to this day.

Q78. Answer: (d) Mahendragiri

The correct answer is Mahendragiri

Key Points

• Mahendragiri is the highest peak of the Eastern Ghats.

• It is located in the state of Odisha.

• The peak rises to an elevation of 1,501 meters (4,925 feet) above sea level.

• Mahendragiri is a part of the Mahendragiri Hill Range.

• The hill is known for its mythological significance and is mentioned in the Ramayana and Mahabharata.

Additional Information

• The Eastern Ghats are a discontinuous range of mountains along India's eastern coast.

• They run from the state of West Bengal in the north, through Odisha, Andhra Pradesh, and Tamil Nadu to the southern tip of India.

• The Eastern Ghats are older than the Western Ghats and are characterized by eroded and broken hills.

• They are home to a rich variety of flora and fauna, including several endemic species.

• Conservation efforts are ongoing to protect the unique biodiversity of the Eastern Ghats.

Q79. Answer: (b) fractional crystallisation

The correct answer is fractional crystallisation

Key Points

• Fractional crystallisation is a method of separating a mixture of soluble solids.

• This process involves dissolving the mixture in a suitable hot solvent.

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• The temperature is then slowly lowered, which causes the different components to crystallise at different temperatures.
• This method is used to purify substances and separate components based on their solubility.

Additional Information

• Sublimation is a process where a solid changes directly into a gas without going through a liquid phase.
• Azeotropic distillation is used to separate components of a mixture by distillation, involving an azeotrope.
• Dephlegmation is a process used in the distillation of mixtures to separate components with close boiling points.

Q80. Answer: (b) spring

The correct answer is spring

Key Points

• The Indian festival of Holi is celebrated every year in the season of spring.
• Holi, also known as the "Festival of Colors," marks the arrival of spring and the end of winter.
• It is celebrated with great enthusiasm across India and involves the throwing of colored powders and water.
• The festival signifies the victory of good over evil and is associated with various legends, including the story of Prahlad and Holika.
• Holi typically falls in the month of March, which corresponds to the spring season in India.

Additional Information

• Holi is celebrated on the full moon day (Purnima) in the month of Phalguna in the Hindu calendar.
• The festival is also a time for repairing broken relationships and forgiving past grievances.
• Traditional foods and sweets, such as gujiya and thandai, are prepared and enjoyed during Holi.
• In some parts of India, Holi celebrations can last for several days, featuring various cultural events, music, and dance.
• Holi is not only celebrated in India but also in many other countries with significant Indian populations.

Q81. Answer: (d) Three-tier system

The correct answer is Three-tier system

Key Points

• The health infrastructure and health care system in India is organized in a three-tier system.
• This system comprises the primary, secondary, and tertiary levels of care.
• Primary level includes sub-centers and primary health centers (PHCs) which are the first point of contact for the community.
• Secondary level includes community health centers (CHCs) and district hospitals that provide more specialized care.
• Tertiary level includes medical colleges and specialized hospitals which offer advanced medical services and treatments.

Additional Information

• India's health care system is governed by both the central and state governments, with public and private sectors playing significant roles.
• The central government is responsible for formulating national health policies and providing technical and financial support to the states.
• State governments are primarily responsible for the delivery of health services and implementation of health programs.
• The National Health Mission (NHM) aims to strengthen the health system, particularly in rural and underserved areas.
• India's health care system faces challenges such as resource constraints, unequal access to services, and the need for improved infrastructure and workforce.

Q82. Answer: (a) 1988

The correct answer is 1988

Key Points

• Indian archers participated in the Olympics for the first time in the year 1988.
• The 1988 Summer Olympics were held in Seoul, South Korea.
• This marked the debut of Indian archery in the Olympic Games.
• Since then, Indian archers have been regular participants in subsequent Olympic Games.

Additional Information

• Archery was reintroduced to the Olympics in 1972 after a long hiatus since 1920.
• The Archery Association of India (AAI) was established in 1973 and has been instrumental in promoting the sport in India.
• India has made significant progress in archery over the years, with several archers achieving international recognition.
• Olympic participation has been a crucial platform for Indian archers to showcase their talent on a global stage.

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Q83. Answer: (b) less elastic

The correct answer is less elastic

Key Points

• In a monopoly, the demand curve is less elastic as compared to monopolistic competition.

• This is because a monopolist is the sole provider of a good or service, and thus faces the entire market demand curve.

• Monopolistic competition, on the other hand, involves many firms selling differentiated products, leading to more elastic demand curves for individual firms.

• Elasticity of demand in monopolistic competition is higher due to the availability of close substitutes, which is not the case in a monopoly.

Additional Information

• Monopoly refers to a market structure where a single firm controls the entire market for a product or service.

• In a monopoly, the firm has significant control over the price, as there are no close substitutes available.

• Monopolistic competition is a type of imperfect competition where many producers sell products that are differentiated from one another.

• Examples of monopolistic competition include industries like restaurants, clothing brands, and consumer electronics.

• The demand curve in monopolistic competition is more elastic due to the differentiation and availability of alternative products.

Q84. Answer: (d) Ministry of Environment, Forest and Climate Change

The correct answer is Ministry of Environment, Forest and Climate Change

Key Points

• In 2022, the National Green Tribunal advised the Ministry of Environment, Forest and Climate Change to form a three-member panel.

• This panel was tasked with formulating safeguards and guidelines to be followed by the State Environment Impact Assessment Authorities.

• The initiative aimed to ensure that environmental assessments and clearances are conducted with greater rigor and transparency.

Additional Information

• The National Green Tribunal (NGT) is a specialized body set up under the National Green Tribunal Act (2010) for expeditious disposal of cases pertaining to environmental issues.

• The NGT aims to protect the environment, conserve forests, and other natural resources while ensuring the enforcement of any legal right relating to the environment.

• The Ministry of Environment, Forest and Climate Change is the nodal agency in the administrative structure of the Central Government for planning, promotion, coordination, and overseeing the implementation of India's environmental and forestry policies and programs.

Q85. Answer: (b) Sri Lanka

The correct answer is Sri Lanka

Key Points

• The Veddas are the indigenous people of Sri Lanka, known for their traditional lifestyle of foraging, hunting, and living in close-knit groups.

• They have historically resided in the dense jungles and caves of Sri Lanka, maintaining a distinct culture and way of life.

• Despite modernization, some Veddas still practice their traditional customs and live in forested areas, preserving their heritage.

• The Veddas are considered one of the oldest indigenous communities in Sri Lanka, with a history that dates back thousands of years.

Additional Information

• The Veddas speak a distinct language known as Vedda, which is different from the Sinhala and Tamil languages spoken by the majority of Sri Lankans.

• They have a rich cultural heritage, including unique rituals, dances, and folklore that are integral to their identity.

• In recent years, there have been efforts to protect and promote Vedda culture and rights, as they face challenges from deforestation and modern encroachment.

• The Sri Lankan government and various organizations are working to ensure the preservation of Vedda culture and their traditional way of life.

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Q86. Answer: (c) 68 - 70 cms

The correct answer is 68 - 70 cms

Key Points

• The circumference of the International Football Association Board (IFAB) approved football is 68 - 70 cms.

• This standard ensures uniformity in the size of footballs used in official matches across the world.

• The size regulation helps maintain consistency in gameplay and player performance.

• These measurements are stipulated to ensure that the footballs are neither too large nor too small, which could affect the quality of the game.

Additional Information

• The International Football Association Board (IFAB) is the body that determines the laws of the game of association football.

• IFAB was founded in 1886 and consists of representatives from the football associations of England, Scotland, Wales, and Northern Ireland, as well as FIFA.

• The laws set by IFAB are used worldwide and are designed to ensure fair play and the safety of players.

• In addition to the circumference, IFAB also regulates other football specifications such as weight and pressure.

Q87. Answer: (a) Vertebrata

The correct answer is Vertebrata

Key Points

• Vertebrata is the group of animals that have a segmented spinal column.

• This group includes not only advanced organisms with a developed backbone but also some primitive forms in which the backbone is represented by a notochord.

• The notochord is a flexible rod-like structure that forms the main support of the body in these primitive organisms.

• Examples of vertebrates include mammals, birds, reptiles, amphibians, and fish.

• The presence of a segmented spinal column is a key characteristic that differentiates vertebrates from other animal groups.

Additional Information

• Vertebrates are part of the phylum Chordata, which is characterized by the presence of a notochord at some stage of development.

• The notochord is replaced by the vertebral column in most adult vertebrates, providing more structural support and protection for the spinal cord.

• Other distinguishing features of vertebrates include a well-developed brain, a closed circulatory system, and an endoskeleton made of bone or cartilage.

• The evolutionary development of the vertebral column has allowed vertebrates to become highly adaptable and occupy a wide range of ecological niches.

• Vertebrates are the most complex and diverse group of animals, with over 66,000 species described to date.

Q88. Answer: (a) Enabling quick search and retrieval of land records

The correct answer is Enabling quick search and retrieval of land records

Key Points

• Enabling quick search and retrieval of land records is one of the primary ways ICT can enhance the openness of e-land records.

• ICT facilitates the digitization and online availability of land records, making it easier for stakeholders to access information efficiently.

• With digital records, transparency is increased as the data is less prone to tampering and unauthorized alterations.

• ICT systems can provide real-time updates and tracking of land records, reducing delays and increasing the reliability of information.

Additional Information

• ICT stands for Information and Communication Technology, which encompasses various digital tools and systems used to manage, process, and share information.

• Implementation of ICT in land records management can significantly reduce administrative costs and human errors.

• By improving access to land records, ICT can help in resolving disputes and enhancing land tenure security.

• ICT-driven platforms often include features like GIS mapping, which provides visual representation and spatial analysis of land data.

• Electronic land records can also facilitate better planning and development by providing accurate and up-to-date information to policymakers.

Q89. Answer: (c) It formed the basis of the Third Five Year Plan.

The correct answer is It formed the basis of the Third Five Year Plan.

Key Points

• The Industrial Policy Resolution of 1956 did not form the basis of the Third Five Year Plan. The Third Five Year Plan was introduced in 1961 and had different objectives and goals.

• The resolution did introduce a system of licenses for the private sector, classifying industries into three categories, and promoted regional equality.

• The Industrial Policy Resolution of 1956 aimed at the establishment of a socialistic pattern of society where the state would play a dominant role in the industrial sector.

• It laid the foundation for the development of public sector enterprises and sought to reduce regional imbalances.

Additional Information

• The Industrial Policy Resolution of 1956 was a significant policy document that shaped the industrial landscape of post-independence India.

• It categorized industries into three schedules: Schedule A included industries exclusively under state control, Schedule B included industries where the state would play a dominant role, and Schedule C included all remaining industries.

• The policy aimed to accelerate the rate of growth and industrialization, create more employment opportunities, and reduce income and wealth inequalities.

• The policy also aimed at fostering the development of small-scale industries to promote balanced regional growth.

Q90. Answer: (a) Purandara Dasa

The correct answer is Purandara Dasa

Key Points

• Purandara Dasa is widely regarded as the 'Father of Carnatic Music'.

• He was a renowned composer, vocalist, and a key figure in the development and structuring of Carnatic music, which is a classical music form of Southern India.

• Purandara Dasa formulated the basic lessons for teaching Carnatic music, which are still followed today.

• He composed thousands of devotional songs, known as 'Devaranamas', in praise of Lord Vishnu.

• His contributions laid the foundation for the Carnatic music system, making it easier to learn and practice.

Additional Information

• Purandara Dasa is believed to have lived between 1484 and 1564.

• He is often referred to as the Karnataka Sangeetha Pitamaha (Grandfather of Carnatic Music).

• His compositions are mostly in Kannada language, and they cover various aspects of devotion, ethics, and philosophy.

• He is credited with structuring music lessons in a graded system which includes Sarale Varase, Janti Varase, Alankara, Lakshana Geethe, and so on.

• Purandara Dasa's work has had a lasting impact on the Carnatic music tradition, influencing countless musicians and composers who followed him.

Q91. Answer: (b) Pandavani

The correct answer is Pandavani

Key Points

• Pandavani is a folk music tradition of the Indian state of Chhattisgarh.

• This form of music narrates the tales of the Mahabharata, focusing primarily on the heroics of Bhima.

• The performance usually involves a lead singer who is accompanied by musicians playing traditional instruments like the tambura and harmonium.

• Pandavani is known for its dramatic storytelling style, where the performer often enacts the scenes while singing.

Additional Information

• Mando is a form of Goan music that blends Indian and Western traditions.

• Dandiya is a traditional folk dance of Gujarat, often performed during the Navratri festival.

• Alha is a ballad tradition from the Bundelkhand region of India, narrating the heroic deeds of Alha and Udal.

• Pandavani performances are an essential part of the cultural heritage of Chhattisgarh and are cherished for their rich narrative and musical tradition.

Q92. Answer: (d) Mercury

The correct answer is Mercury

Key Points

• Mercury is the planet that does NOT have a ring around it.

• Among the given options, Uranus, Jupiter, and Saturn all have ring systems. Saturn's rings are the most prominent and well-known.

• Mercury, being the closest planet to the Sun, does not possess any rings or moons.

• The presence of rings is more common in the outer planets of our solar system.

Additional Information

• Saturn is famous for its extensive and bright ring system, which can be seen from Earth with a small telescope.

• Jupiter has faint rings composed mainly of dust particles from its moons and other debris.

• Uranus has a complex ring system that was discovered in 1977, and it consists of 13 distinct rings.

• Planetary rings are composed of dust, rock, and ice particles that orbit around the planet due to its gravitational pull.

Q93. Answer: (a) Dadabhai Naoroji

The correct answer is Dadabhai Naoroji

Key Points

• Dadabhai Naoroji was an Indian political leader, educator, and an early Indian nationalist who is credited with the 'Drain of Wealth' theory.

• In his book, 'Poverty and Un-British Rule in India', Naoroji argued that a significant portion of India's wealth was being drained to Britain, causing widespread poverty in India.

• His theory highlighted the economic exploitation of India under British rule and became a key point of criticism against colonial policies.

• Naoroji's efforts were instrumental in raising awareness about the economic impact of British colonialism on India.

Additional Information

• Dadabhai Naoroji was also known as the 'Grand Old Man of India' and was one of the founding members of the Indian National Congress.

• He was the first Indian to be elected to the British Parliament, where he advocated for Indian self-rule and economic reforms.

• His work laid the foundation for subsequent economic theories and nationalist movements in India.

• Naoroji's contributions were crucial in shaping the early phase of the Indian independence struggle.

Q94. Answer: (a) Praveen Kumar Srivastava

The correct answer is Praveen Kumar Srivastava

Key Points

• Praveen Kumar Srivastava was sworn in as Central Vigilance Commissioner on 29 May 2023.

• The Central Vigilance Commission (CVC) is an apex Indian governmental body created in 1964 to address governmental corruption.

• It has the status of an autonomous body, free of control from any executive authority, charged with monitoring all vigilance activities under the Central Government of India.

• The CVC advises various authorities in central government organizations in planning, executing, reviewing, and reforming their vigilance work.

Additional Information

• The Central Vigilance Commission was established on the recommendations of the Committee on Prevention of Corruption, headed by Shri K. Santhanam.

• The CVC is not controlled by any Ministry or Department. It is an independent body which is only responsible to the Parliament.

• The tenure of the Central Vigilance Commissioner is four years or until the age of 65, whichever is earlier.

• The CVC can have a Central Vigilance Commissioner and not more than two Vigilance Commissioners.

Q95. Answer: (a) Maharashtra

The correct answer is Maharashtra

Key Points

• Maharashtra launched the first Migration Monitoring System in the year 2022.

• The system aims to track the movement of migrant workers and ensure their welfare.

• It is designed to collect data on various parameters including the health, education, and employment status of migrant workers.

• The data collected will help the state government in formulating policies and programs tailored to the needs of migrant workers.

• This initiative reflects Maharashtra's proactive approach towards addressing the challenges faced by migrant workers and ensuring their well-being.

Additional Information

• Maharashtra is one of the most industrialized states in India and has a significant population of migrant workers.

• The state government has been focusing on various initiatives to improve the living conditions and provide better opportunities for migrant workers.

• The Migration Monitoring System is part of a broader strategy to integrate migrant workers into the state's socio-economic framework.

• The system is expected to serve as a model for other states to follow in addressing the issues related to migration and labor welfare.

Q96. Answer: (b) Bottom Alignment

The correct answer is Bottom Alignment

Key Points

• Bottom Alignment allows you to align text in a way that it appears vertically at the bottom of a cell or text box in MS Word.

• This option is particularly useful when you want the text to start from the bottom edge of the cell or text box, leaving space above it.

• To apply this alignment, select the cell or text box, then go to the "Layout" or "Table Tools Layout" tab, and choose the "Bottom Align" option from the "Alignment" group.

• Bottom Alignment is one of several vertical alignment options available in MS Word, which also includes Top Alignment and Center Alignment.

Additional Information

• In addition to vertical alignment, MS Word also offers horizontal alignment options such as Left, Center, Right, and Justify Alignment.

• These alignment options can be accessed from the "Home" tab in the "Paragraph" group or through the "Table Tools Layout" tab when working within a table.

• Using these alignment tools effectively can enhance the readability and presentation of your document.

• Remember that proper alignment is a key aspect of formatting that contributes to the overall aesthetic and clarity of your document.

Q97. Answer: (d) 21

The correct answer is 21

Key Points

• Article 21 of the Constitution of India cannot be amended with a simple majority.

• Article 21 guarantees the protection of life and personal liberty, stating that no person shall be deprived of his life or personal liberty except according to the procedure established by law.

• This article is a fundamental right under Part III of the Constitution and requires a more rigorous process for amendment as outlined in Article 368.

• Simple majority amendments are generally for non-fundamental aspects of the Constitution, whereas fundamental rights require a special majority and, in some cases, ratification by at least half of the state legislatures.

Additional Information

• Articles 2 and 3 relate to the admission or establishment of new states and the formation of new states and alteration of areas, boundaries, or names of existing states, respectively. These can be amended with a simple majority.

• Article 169 provides for the abolition or creation of Legislative Councils in states and can also be amended with a simple majority.

• The Constitution of India was adopted by the Constituent Assembly on 26th November 1949 and came into effect on 26th January 1950.

• The Constitution lays down the framework defining fundamental political principles, establishes the structure, procedures, powers, and duties of government institutions, and sets out fundamental rights, directive principles, and the duties of citizens.

• Amendments to the Constitution can be made through a process outlined in Article 368.

Q98. Answer: (a) Brahmadeya

The correct answer is Brahmadeya

Key Points

• Brahmadeya was the term used for the land grants given to Brahmins during the Chola empire.

• These grants were usually tax-free and were provided to Brahmins to encourage settlement and agricultural development.

• The land grants were an important aspect of the Chola administrative and social system, reflecting the high status and respect accorded to Brahmins in society.

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• Brahmadeya lands were often associated with temples and played a crucial role in the spread of education and culture.

• Other terms related to land classification in the Chola period include Shalabhoga (land for maintenance of schools), Tirunmatukkani (land gifted to temples), and Vellanvagai (land of non-Brahmin peasants).

Additional Information

• The Chola dynasty was one of the longest-ruling dynasties in South Indian history, known for its contributions to art, architecture, and administration.

• The Chola rulers implemented an efficient administrative system with a well-organized bureaucracy and local self-government in villages.

• The Chola period is also noted for its remarkable achievements in temple architecture, with the Brihadeeswarar Temple being a prime example.

• The Chola navy was a dominant maritime force, facilitating trade and cultural exchanges with Southeast Asia.

Q99. Answer: (c) constitutional remedies

The correct answer is constitutional remedies

Key Points

• Writ of Mandamus is a judicial remedy in the form of an order from a court to any government, subordinate court, corporation, or public authority to do some specific act which that body is obliged under law to do.

• It is classified under constitutional remedies, which is a fundamental right provided under Article 32 of the Indian Constitution.

• Article 32 provides the right to individuals to move to the Supreme Court for enforcement of their fundamental rights.

• The Writ of Mandamus can be issued to enforce the performance of public duties by public authorities and to ensure that they fulfill their legal obligations.

Additional Information

• The Constitution of India provides for five types of writs: Habeas Corpus, Mandamus, Prohibition, Quo-Warranto, and Certiorari.

• These writs are a crucial part of the judicial review mechanism in India, ensuring the protection of citizens' rights against any arbitrary actions of the state.

• The right to constitutional remedies is considered the heart and soul of the Constitution by Dr. B.R. Ambedkar, as it is the protector and guarantor of all other fundamental rights.

• Article 32 is also known as the "Right to Constitutional Remedies" and is a fundamental right that cannot be suspended, except in cases of emergency as declared by the President of India.

Q100. Answer: (c) Telugu

The correct answer is Telugu

• Telugu is often referred to as the 'Italian of the East'.

• The phrase highlights the melodious and rhythmic quality of the Telugu language, which is reminiscent of the Italian language's musicality.

• Telugu is a Dravidian language spoken predominantly in the Indian states of Andhra Pradesh and Telangana.

• It is one of the twenty-two scheduled languages of the Republic of India and is also a classical language of India.

• Telugu has a rich literary tradition and has produced many notable works in literature, poetry, and drama.

• Kannada is another Dravidian language spoken predominantly in the state of Karnataka.

• Malayalam is the principal language of the Indian state of Kerala and the union territories of Lakshadweep and Puducherry.

• Marathi is an Indo-Aryan language spoken predominantly by people of Maharashtra.

• Each of these languages has its own unique linguistic features and cultural significance.

• The term 'Italian of the East' specifically refers to the lyrical and rhythmic qualities of the Telugu language.

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