SSC CHSL Tier-1 2023: Official Paper (Held On: 07 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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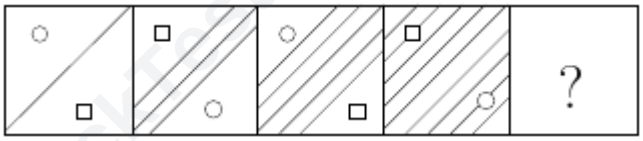
Practise under exam conditions, then review your answers after you submit.

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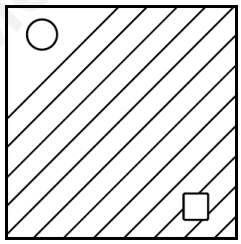
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ENGLISH LANGUAGE

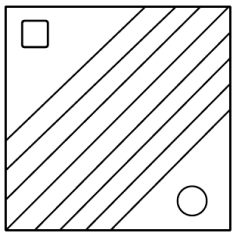
Q1. Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.



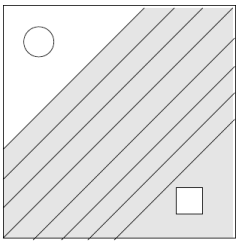
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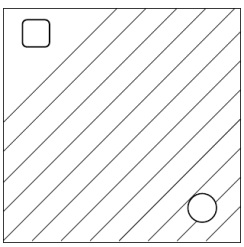
(b)



(c)



(d)



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Q2. 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.)

21, 182

14, 119

(a) 8, 87
(b) 11, 106
(c) 17, 146
(d) 12, 113

Q3. In a certain code language,

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

A - B means 'A is the sister of B',

A × B means 'A is the husband of B',

A ÷ B means 'A is the daughter of B'.

Based on the above, how is Q related to T if ' P + Q × R - S ÷ T'?

(a) Wife's mother
(b) Sister
(c) Daughter's husband
(d) Mother

Q4. What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and '×' and '÷' are interchanged?

42 × 7 ÷ 13 - 87 + 12 = ?

(a) 153
(b) 144
(c) 165
(d) 119

Q5. What should come in place of ? in the given series?

13 18 28 43 63 ?

(a) 92
(b) 88
(c) 81
(d) 89

Q6. Sheela celebrated her birthday on Wednesday, 10 April 2019. What will be the day of the week on her birthday in 2023?

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

Q7. Which number can replace the question mark (?) in the following series?

1, 3, 7, 13, 21, 31, ?

(a) 40
(b) 41
(c) 42
(d) 43

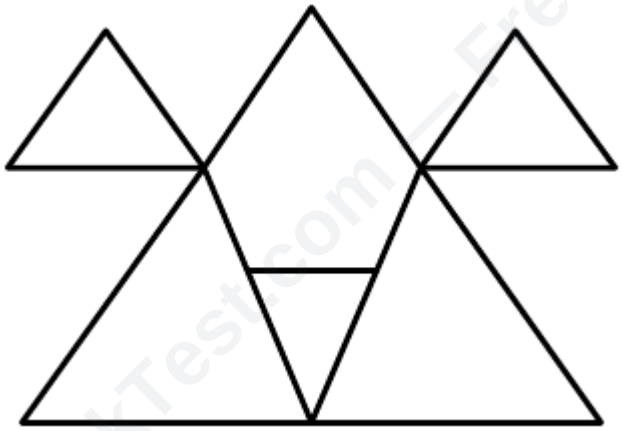
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Q8. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

JFSX, KERY, ?, MCPA

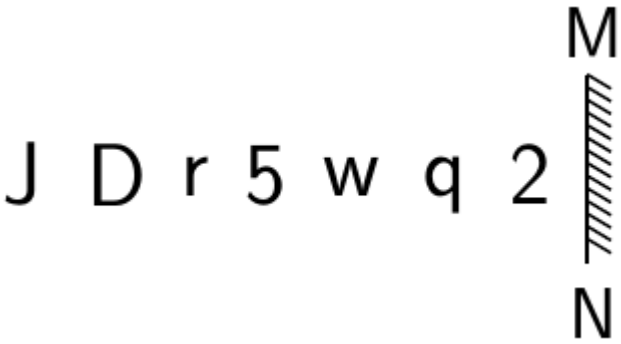
(a) PRST
(b) ZPYK
(c) LDQZ
(d) LFSZ

Q9. How many triangles are there in the given figure?



(a) 8
(b) 5
(c) 7
(d) 6

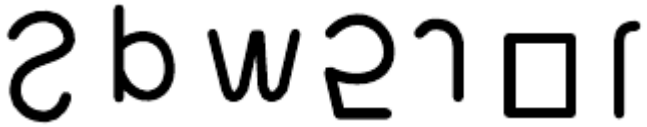
Q10. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



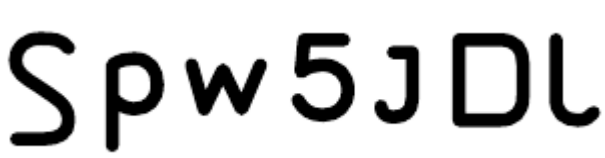
(a)



(b)



(c)



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(d)



Q11. 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 and definitely follow/s from the given statements.

Statements: Some Drapes are Curtains. Some Sheets are Drapes. All Drapes are Yarns.

Conclusions: (I) Some Yarns are Sheets.

(II) Some Sheets are Curtains.

(a) Only conclusion (I) follows.
(b) Only conclusion (II) follows.
(c) Both conclusions (I) and (II) follow.
(d) Both conclusions (I) and (II) do not follow.

Q12. In a certain code language,

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

A - B means 'A is the mother of B',

A × B means 'A is the father of B',

A ÷ B means 'A is the wife of B'.

Based on the above, how is P related to T if 'P ÷ Q × R + S - T'?

(a) Mother's sister
(b) Daughter's son
(c) Sister
(d) Mother's Mother

Q13. 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:

All classes are tools.

Some tools are nails.

No nail is a class.

Conclusions:

(I) Some classes are nails.

(II) All tools are classes.

(III) Some nails are tools.

(a) Only conclusion I follows
(b) All conclusions I, II and III follow
(c) Only conclusion III follows
(d) Both conclusions I and II follow

Q14. The second number in the given number pairs is obtained by performing certain mathematical operations(s) on the first number. The same operation(s) are followed in all the number pairs except one. Find that odd number pair:

(a) 444 : 339
(b) 189 : 82
(c) 401 : 294
(d) 500 : 393

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Q15. What should come in place of '?' in the given series based on the English alphabetical order?

UJA, WOC, YTE, ?, CDI

(a) AZH
(b) BZH
(c) AYG
(d) BYF

Q16. In a certain code language, 'DETAIN' is coded as '928574' and 'PAINED' is coded as '745832'. What is the code for 'T' in the given code language?

(a) 5
(b) 7
(c) 4
(d) 9

Q17. If 'A' stands for '÷,' 'B' stands for '×', 'C' stands for ' + ' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

42 A 7 B 13 C 87 D 12 = ?

(a) 158
(b) 153
(c) 149
(d) 151

Q18. If 11 August 1918 is Sunday, then what will be the day of the week on 4 December 1925?

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

Q19. Which letter-cluster should come in place of ? in the given series based on the English alphabetical order?

FMA, DJY, ?, ZDU, XAS

(a) BGW
(b) CHV
(c) DHV
(d) CIW

Q20. Three of the following number pairs are alike in some manner and one is different. Select the odd number pair.

(NOTE: The second number in the given number pairs is formed by performing a certain operation on the first number. The same operation is followed in all the number pairs except one. Find that odd number pair.)

(a) 72 : 215
(b) 99 : 296
(c) 86 : 252
(d) 115 : 344

Q21. What should come in place of the question mark (?) in the given series?

368, 371, 376, ?, 392

(a) 383
(b) 380
(c) 378
(d) 374

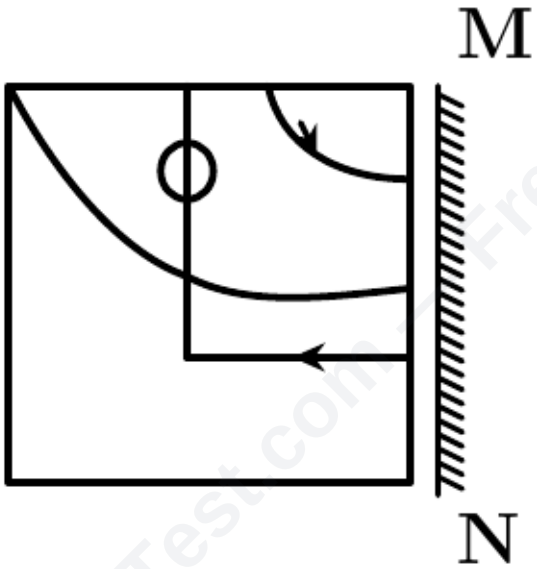
Q22. In a certain code language, GT49 is written as KP64 and HS25 is written as LO36. How will MN144 be written in that language?

(a) QJ169
(b) QJ189
(c) RJ269

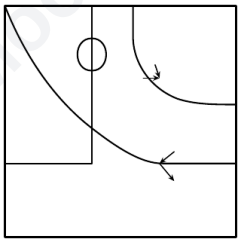
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(d) RJ189

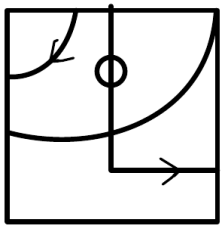
Q23. Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



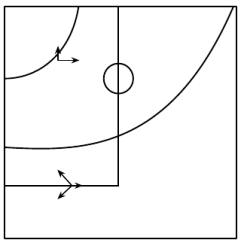
(a)



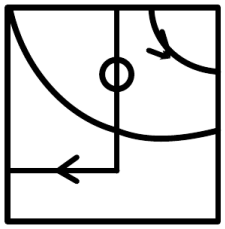
(b)



(c)



(d)



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Q24. Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(a) RTX
(b) LNQ
(c) ACG
(d) IKO

Q25. Select the option in which the letter-clusters share the same relationship as that shared by the given pair of letter clusters.

DHS : IFX

KNW : PLB

(a) GUZ : LSF
(b) NYB : IAG
(c) XNA : DKG
(d) SBH : XZM

GENERAL INTELLIGENCE

Q26. In Cricket, if the umpire extends both hands horizontally it means _____.

(a) dead ball
(b) no ball
(c) run out
(d) wide ball

Q27. Since complete equality is impossible, the _____ of the Indian Constitution deals with the right to equality and equal protection of law subject to appropriate classification.

(a) Article 15
(b) Article 16
(c) Article 13
(d) Article 14

Q28. Which Indian state is renowned for the traditional canal irrigation method known as 'Kulh'?

(a) Himachal Pradesh
(b) Odisha
(c) Andhra Pradesh
(d) Uttar Pradesh

Q29. Following are the industry categories classified under the Industrial Policy Resolution 1956, EXCEPT:

(a) industries in the cooperative sector
(b) industries with public sector taking the lead and the private sector playing a supplementary role
(c) industries in the private sector
(d) industries with exclusive ownership of the state

Q30. Pola festival is associated with which of the following states?

(a) Maharashtra
(b) Mizoram
(c) Nagaland
(d) Karnataka

Q31. Padma Bhushan awardee of 2004 and classical dancer Alarmel Valli is known for performing which dance form?

(a) Odissi
(b) Bharatanatyam
(c) Chhau
(d) Kuchipudi

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Q32. According to Census of India 2011, which district in India has the lowest literacy rate?

(a) Chowki
(b) Alirajpur
(c) Bemetara
(d) Siwan

Q33. The original Constitution of India was hand written in English by:

(a) HVR Iyenger
(b) Prem Behari Narain Raizada
(c) Vasant Krishan Vaidya
(d) SN Mukherjee

Q34. Who described in 1662 that when a gas was pumped into an enclosed space, it would shrink to fit in that space, but the pressure exerted by the gas on the container would increase?

(a) Jacques Charles
(b) Joseph Gay Lussac
(c) Amedeo Avogadro
(d) Robert Boyle

Q35. Who among the following personalities in Indian music, won the Maharashtra Bhushan Award for the year 2020?

(a) Sunidhi Chauhan
(b) Alka Yagnik
(c) Shreya Ghoshal
(d) Asha Bhosle

Q36. Identify the ODD one out.

(a) Hotels and restaurants
(b) Construction
(c) Banking and insurance
(d) Transport and communication

Q37. Which of the following Articles of the Indian Constitution mentions the right to form co-operative societies?

(a) 19 (1) (d)
(b) 19 (1) (c)
(c) 19 (1) (b)
(d) 19 (1) (a)

Q38. Who started the practice of celebrating Nauroz during the Delhi Sultanate period?

(a) Sikandar Sur
(b) Shamsuddin Iltutmish
(c) Ghiyasuddin Balban
(d) Ghiyasuddin Tughlaq

Q39. In 2022, how many individuals received the Arjuna awards for their outstanding performance in sports and games?

(a) 31
(b) 20
(c) 30
(d) 25

Q40. Who among the following personalities was the chief draftsman of the constituent assembly that drafted the document of the Constitution?

(a) KM Munshi
(b) Vasant Krishan Vaidya
(c) SN Mukherjee
(d) HVR Iyenger

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Q41. _____ are the amphibians of the plant kingdom.

(a) Gymnosperm
(b) Pteridophyta
(c) Thallophyta
(d) Bryophyta

Q42. Who among the following is an award-winning folk Dancer from Arunachal Pradesh?

(a) Meena Nayak
(b) Balkar Sidhu
(c) Sang Jangmu
(d) Tarubala Debbarma

Q43. Which of the following states is the largest producer of lignite coal in India?

(a) Gujarat
(b) Jharkhand
(c) Tamil Nadu
(d) Uttar Pradesh

Q44. The Central Government approved the Print and Digital Media Association (PADMA) as a self-regulatory body for publishers of news and current affairs across the country. Who heads this organisation?

(a) Krishnendra Pratap Singh
(b) Mahesh Kumar Sharma
(c) Mool Chand Garg
(d) Giridhar Aramane

Q45. In which year was the first railway line constructed in India?

(a) 1853
(b) 1887
(c) 1890
(d) 1888

Q46. Who among the following Indian players has won the Men's Double title in Bangkok Open (Tennis) 2023?

(a) Sumit Nagal - Saketh Myneni
(b) Yuki Bhambri - Purav Raj
(c) Yuki Bhambri - Saketh Myneni
(d) Divij Sharan - Yuki Bhambri

Q47. All of the following reasons can be attributed to the lack of access to credit for the poor EXCEPT:

(a) low information monitoring costs
(b) lack of stable source of income
(c) lenders prefer dealing in large loans in small numbers to minimise administration costs
(d) absence of collateral with clear title

Q48. In which year did Carl Anderson discover a positively charged particle called 'positron' whose mass appears to be equal to the mass of an electron?

(a) 1912
(b) 1932
(c) 1922
(d) 1942

Q49. Which of the following is an example of capital receipt?

A) Borrowings from World Bank to fund Project to Save Tigers
B) Sale of 30% stake in a PSU to private companies

(a) Only B
(b) Both A and B

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(c) Neither A nor B
(d) Only A

Q50. Which of these may NOT be attributed to micro-finance?
(a) Financial services could enable the poor to leverage their entrepreneurial initiatives.
(b) Financial services could enable the poor to accelerate the process of building assets and economic security.
(c) Financial services could enable the poor to accelerate the process of building incomes.
(d) Financial services could enable the poor to earn high rates of interest on deposits.

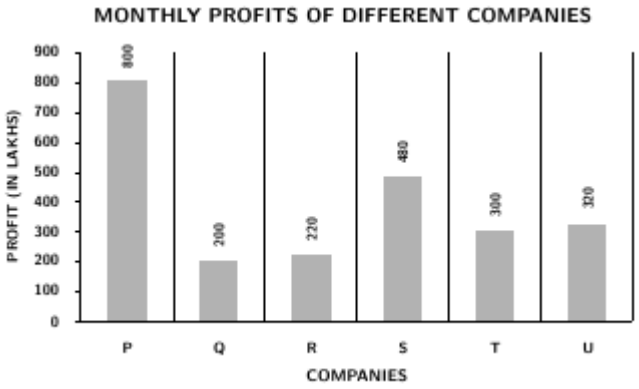
QUANTITATIVE APTITUDE

Q51. A sphere of diameter 18 cm has been melted to make cylinder of radius 3 cm and height 2 cm. The total number of cylinder made out will be:
(a) 40
(b) 100
(c) 54
(d) 45

Q52. If ΔABC ≅ ΔPQR, and angle C = 80°, angle A = 10°, then what will be the measure of angle Q?
(a) 80°
(b) 30°
(c) 100°
(d) 90°

Q53. Simplify: $((1-m)^3+(m-n)^3+(n-1)^3)/(12(1-m)(m-n)(n-1))$= ?
(a) 1/2
(b) 2/3
(c) 3/2
(d) 1/4

Q54. The following bar graph shows the monthly profits of different six companies.



What is the ratio of the monthly profit of companies P to that of company U?
(a) 3 : 2
(b) 5 : 2
(c) 2 : 5
(d) 2 : 3

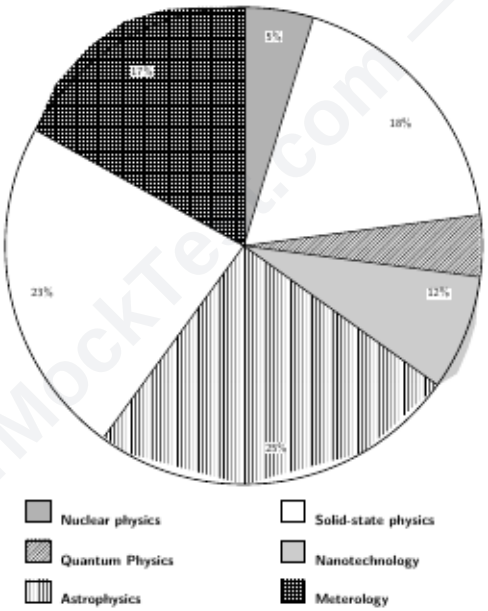
Q55. Rajender is working as a delivery boy in a multinational company. The company is paying him Rs. 90 per delivery. In a fortnight comprising 15 consecutive working days, his average earnings per day was Rs. 540. If his average earnings of the first 7 days was Rs. 519 per day and that of the last 7 days was Rs. 546 per day, then what was his earning on the 8th day of the fortnight?
(a) Rs. 571
(b) Rs. 681

(c) Rs. 661
(d) Rs. 645

Q56. If $x^2 + y^2 + z^2 = 628$ and $xy + yz + zx = 24$, then find the value of $(x + y + z)$.

(a) 22
(b) 28
(c) 26
(d) 24

Q57. The following pie chart represents the percentage-wise break up of research scholars in terms of their specialisation in Ph.D. in Physics. Total number of research scholars is 8000. Study the pie chart carefully and answer the question given below:



The number of research scholars having Meteorology as their specialisation is approximately (correct up to two decimal places) what per cent of the number of research scholars with Astrophysics specialisation?

(a) 72.41%
(b) 71.91%
(c) 70.41%
(d) 73.91%

Q58. The given expression is equal to:

$(2 \sec A)/(\sec^2 A-1)$

(a) 2 cosec A cot A
(b) 2 cos A cot A
(c) 2 cosec A tan A
(d) 2 cos A sin A

Q59. The speed of a boat in standing water is 9 km/h and the speed of the stream is 1.5 km/h. A person rows to a place at a distance of 105 km and comes back to the starting point. The total time taken by him is:

(a) 24 hours
(b) 22 hours
(c) 21 hours
(d) 23 hours

Q60. Kalyan invested a sum of Rs. 12,000 for two years compounded at 5% and 10%, respectively. What is the compound interest (in Rs.) at the end of two years?

(a) 1,880
(b) 1,920
(c) 1,900

(d) 1,860

Q61. A person invested a certain amount at a rate of 12% simple interest and another amount at a rate of 10% simple interest. He received an annual interest of Rs. 130. However, if he had interchanged the amounts invested, he would have received Rs. 4 more as interest. How much did he invest at the rate of 12% simple interest originally?

(a) Rs. 500
(b) Rs. 650
(c) Rs. 560
(d) Rs. 600

Q62. The sum of the amount that Sunaina and Ranjan have is Rs. 23 and the difference of their amount is Rs. 7. The ratio of the amount that Sunaina and Ranjan have is:

(a) 5 : 3
(b) 7 : 15
(c) 15 : 8
(d) 2 : 17

Q63. A renowned brand marked its goods at 40% above the cost price but allows a discount of 7.5% for UPI payments to the customers. What actual profit is made on a shirt, if a customer pays Rs. 1,813 to buy it using UPI?

(a) Rs. 413
(b) Rs. 348
(c) Rs. 378
(d) Rs. 393

Q64. The marked price of a I-shirt is Rs. 560. The shopkeeper Krishna allows a discount of 16% and gains 12%. What would be the gain of Krishna if no discount is allowed?

(a) 16 2/3 %
(b) 31 1/9 %
(c) 33 1/3 %
(d) 11 1/9 %

Q65. At one end of a diameter PQ of a circle of radius 8 cm a tangent APB is drawn to the circle. Find the length of the chord RS, which is parallel to AB and at a distance of 12 cm from P.

(a) 6√3 cm
(b) 4√3 cm
(c) 2√3 cm
(d) 8√3 cm

Q66. If the mathematical symbols in the expression given below are changed from '+' to '÷', '-' to '×', '÷' to '-', and '×' to '+', then what will be the value of the expression?

87 × 256 + 16 - 77 ÷ 1359

(a) 20
(b) -40
(c) 40
(d) -20

Q67. The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.

The number in the brackets gives the maximum marks in each subject.

	Subject (Max. Marks)					
Students	Maths	Chemistry	Physics	Geography	History	Computer Science
(150)	(130)	(120)	(100)	(60)	(40)	

Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tanin	65	35	50	77	80	80

If a student secures 80% or more in a subject, the student is considered to have received a distinction in the subject. What is the maximum number of subjects in which any single student has received a distinction?

(a) 4
(b) 6
(c) 5
(d) 3

Q68. The angle subtended at the centre of a circle by an arc of the circle measures 128.5°. Find the angle subtended at the circumference of the circle by the same arc.

(a) 65.25°
(b) 65.5°
(c) 64.25°
(d) 64.5°

Q69. The average age of 25 students in a class is 14 years. Five new students with an average age of 14.6 years join this class. What is the average age of 30 students in the class?

(a) 13.1 years
(b) 14.1 years
(c) 15.1 years
(d) 16.1 years

Q70. Find the distance (in cm) between the centers of two circles having radii of 40 cm and 30 cm, respectively, if the length of a/an transverse/indirect common tangent to the two circles is given as 10√15 cm.

(a) 75
(b) 84
(c) 72
(d) 80

Q71. The given expression is equal to: $(\cos^2 A)/(1+\sin A)$

(a) 1-sin A
(b) 1+cos A
(c) sin A
(d) Cos A

Q72. If x+1/x=-1, then the value of x^(15)+1/(x^(15)) will be:

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

Q73. Two numbers are in the ratio of 1 : 2. If 7 is added to both, their ratio changes to 3 : 5. The greater number is:

(a) 30
(b) 18
(c) 14

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(d) 28

Q74. A trader offers the following discount schemes for the purchase of his goods. Find the scheme which has the minimum discount.

(i) Two successive discounts of 12% each

(ii) Discount of 20%

(iii) Buy 5 and get 1 free

(iv) Buy 6 and get 2 free

(a) (ii)
(b) (iii)
(c) (iv)
(d) (i)

Q75. The value of $\sin^2 30 + \sin^2 40 + \sin^2 45 + \sin^2 55 + \sin^2 35 + \sin^2 45 + \sin^2 50 + \sin^2 60$ is:

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

GENERAL AWARENESS

Q76. Direction: Select the most appropriate ANTONYM of the word in brackets to fill in the blank.

Although she was tired, she kept working on her project, _____ (indefinite) to finish it before the deadline.

(a) contingently
(b) bounded
(c) incensed
(d) believed

Q77. Direction: Select the most appropriate meaning of the given idiom.

Cut to the chase

(a) To take a shortcut
(b) To interrupt someone
(c) To get to the point
(d) To change the subject

Q78. Direction: Select the most appropriate option that can substitute the underlined segment in the given sentence.

In order to enhancing their reputation, companies are investing a lot of money in social initiatives.

(a) enhance their reputation
(b) enhancing their reputation
(c) have their reputation
(d) have enhanced their reputation

Q79. Direction: Select the option that can be used as a one-word substitute for the given group of words.

A group of people, typically with vehicles or animals, travelling together

(a) Alibi
(b) Anachronism Troupe
(c) Caravan
(d) Bohemian

Q80. Direction: Select the option that can be used as a one-word substitute for the given group of words.

Showing or having skill, especially with the hands.

(a) Insomniac
(b) Meticulous

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(c) Pertinent
(d) Dexterous

Q81. 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.

After working so much / in the fields yesterday, / did you took a break?

(a) No error
(b) did you took a break
(c) in the fields yesterday,
(d) After working so much

Q82. Direction: Select the most appropriate option that can substitute the underlined words in the given sentence.

He got appreciation from every people in a country and abroad.

(a) from one or all in a country and abroad
(b) from one and all in the country and abroad
(c) from one and all in country and abroad
(d) from one and all from a country and abroad

Q83. Direction: Select the most appropriate option that can substitute the underlined words in the given sentence.

I have been living in this country since last several years but have never experienced any discrimination.

(a) for the last several years
(b) by the last several years
(c) in the last several years
(d) from the last several years

Q84. Direction: Select the option that expresses the given sentence in active voice.

An inquiry is demanded by us.

(a) We may demand an inquiry.
(b) We demand an inquiry.
(c) We will demand an inquiry.
(d) We are demanding an inquiry.

Q85. Direction: The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Do you want / to visit a zoo / when you / go to Ahmedabad?

(a) to visit a zoo
(b) when you
(c) Do you want
(d) go to Ahmedabad

Q86. Direction: Identify the INCORRECTLY spelt word in the following sentence and select its correct spelling from the given options.

I received good concesions while purchasing a mobile phone.

(a) recieved
(b) whaile
(c) concessions
(d) parchasing

Q87. Direction: Select the most appropriate option that can substitute the underlined segment in the given sentence.

Mahatma Gandhi is one of the complete leaders that the world has ever seen.

(a) often and often
(b) once and again
(c) out and out
(d) open and above board

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Q88. Direction: Select the option that expresses the following sentence in active voice.

The other details will be given by the concerned teacher.

(a) The concerned teacher gave the other details.
(b) The concerned teacher will give the other details.
(c) The concerned teacher will give other details.
(d) The teacher will give the other concerned details.

Q89. Direction: Select the most appropriate synonym of the underlined word in the given sentence.

Despite having a lot of work to do, he spent the whole day engaging in frivolous activities like playing video games and watching TV.

(a) mischievous
(b) detestable
(c) secretive
(d) worthless

Q90. Direction: Select the INCORRECTLY spelt word.

(a) Amplified
(b) Resielient
(c) Obsolete
(d) Hallucinating

Q91. Direction: Select the most appropriate synonym of the underlined word in the given sentence.

Sometimes, she passes sarcastic remarks on everyone.

(a) Hostile
(b) Quite
(c) Exceptional
(d) Complimentary

Q92. Direction: Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

A. As people huddled under tents and tarps, they wondered if the festival would ever be the same again.

B. However, as the sun began to set, a massive storm cloud rolled in, and lightning streaked across the sky.

C. The music festival was in full swing, with dozens of bands performing on multiple stages throughout the day.

D. The organisers frantically tried to evacuate the festival-goers, but the sudden downpour made it nearly impossible to move through the mud-soaked fields.

E. The crowds were massive, and the energy was electric as fans danced and sang along to their favourite songs.

(a) CEBDA
(b) DCEBA
(c) ECBDA
(d) ECDAB

Q93. Direction: Select the most appropriate synonym of the given word.

Erudite

(a) Naive
(b) Knowledgeable
(c) Ignorant
(d) Simple

Q94. Direction: Select the most appropriate ANTONYM of the underlined word.

Majority of the people give importance to transient things.

(a) Temporary
(b) Monetary
(c) Permanent
(d) Material

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Q95. Direction: Select the most appropriate ANTONYM of the underlined word.

The mountain range looked non-intimidating from afar, but the experienced climbers were undaunted by the challenge.

(a) Poised
(b) Formidable
(c) Tranquil
(d) Huge

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.

When Mr. Smith went to a restaurant one day, he left his coat near the door. There was ____ (1) __ in the pockets when he left it, so he was very surprised when he took his coat after his meal and found the __ (2) ____ full of jewellery.

There was a waiter near the door, so Mr. Smith said to him, "Somebody has made a mistake. He has put some ____ (3) __ in my coat. Take it, and when he comes back, give it to him." The waiter took it and went away. Suddenly another man came in with a __ (4) ____ just like Mr. Smith's. "I am sorry," said the man, "I made a mistake. I took your coat and you have got mine. Please give me my coat and jewellery." Mr. Smith answered." I gave the jewellery to the waiter. He will give it to you."

Mr. Smith called the manager of the restaurant; but the manager said, "We have ____ (5) ____ waiters here. We have only waitresses." "You gave the jewellery to a thief!" shouted the other man. "I shall send for the police!" Mr. Smith paid the man a lot of money for the jewellery.

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

(a) coins
(b) nothing
(c) anything
(d) something

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

(a) packet
(b) pockets
(c) box
(d) coat

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

(a) jewellery
(b) papers
(c) coins
(d) things

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

(a) coat
(b) packet
(c) box
(d) envelope

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

(a) some
(b) no
(c) many
(d) few

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ANSWER KEY

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

SOLUTIONS

Q1. Answer: (a) [figure]

The logic followed in the given figure series is:

From Figure (1) to (2):

The triangle and rectangle interchange their positions and two lines are added.

From Figure (2) to (3):

The triangle and rectangle interchange their positions and two lines are added.

From Figure (3) to (4):

The triangle and rectangle interchange their positions and two lines are added.

From Figure (4) to Answer Figure:

The triangle and rectangle interchange their positions and two lines are added.

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

Q2. Answer: (c) 17, 146

The logic followed here is:

Logic: (First number × 9) - 7 = Second number

• 21, 182 → (21 × 9) - 7 = 189 - 7 = 182

• 14, 119 → (14 × 9) - 7 = 126 - 7 = 119

Similarly,

• 17, 146 → (17 × 9) - 7 = 153 - 7 = 146

Hence, '17, 146' is the correct answer.

Q3. Answer: (c) Daughter's husband

A is				
Symbol	•	•	×	÷
Meaning	Mother	Sister	Husband	Daughter
to B				

P + Q × R - S ÷ T → P is mother of Q, Q is husband of R, R is sister of S, S is daughter of T.

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

Clearly, Q is T's daughter's husband.

Hence, ‘Daughter's husband’ is the correct answer.

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Q4. Answer: (a) 153

Given equation: 42 × 7 ÷ 13 - 87 + 12 = ?

If '+' and '-' are interchanged and '×' and '÷' are interchanged, then the equation becomes:

42 ÷ 7 × 13 + 87 - 12 = ?

=> 6 × 13 + 87 - 12 = ?

=> 78 + 87 - 12 = ?

=> 165 - 12 = ?

=> 153 = ?

Hence, '153' is the correct answer.

Q5. Answer: (b) 88

The logic followed here is:

Hence, '88' is the correct answer.

Q6. Answer: (d) Monday

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.

Sheela celebrated her birthday on Wednesday, 10 April 2019.

Days on these dates will be:

10 April 2020 → Friday

10 April 2021 → Saturday

10 April 2022 → Sunday

10 April 2023 → Monday

Clearly, it will be Monday on her birthday in 2023.

Hence, 'Monday' is the correct answer.

Q7. Answer: (d) 43

The logic followed here is:

Hence, '43' is the correct answer.

Q8. Answer: (c) LDQZ

The logic followed here is:

Hence, 'LDQZ' is the correct answer.

Q9. Answer: (d) 6

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

Hence, '6' is the correct answer.

Q10. 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.

Q11. Answer: (a) Only conclusion (I) follows.

The least possible Venn diagram is:

Conclusions:

(I) Some Yarns are Sheets. → Follows (As, Some Sheets are Drapes and All Drapes are Yarns which means some yarns are sheets)

(II) Some Sheets are Curtains. → Does not follow (As, there is no definite relation between parrots and birds. Hence, false)

Hence, 'Only conclusion (I) follows' is the correct answer.

Q12. Answer: (d) Mother's Mother

A is				
Symbol	•	•	×	÷

Meaning	Brother	Mother	Father	Wife
to B				

P ÷ Q × R + S - T → P is wife of Q, Q is father of R, R is brother of S, S is mother of T

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

P is maternal grandmother of T, i.e., P is T's mother's mother.

Hence, ‘Mother's Mother’ is the correct answer.

Q13. Answer: (c) Only conclusion III follows

The least possible Venn diagram is:

Conclusions:

(I) Some classes are nails. → Does not follow (As, No nail is a classes, so Some classes are not nails)

(II) All tools are classes. → Does not follow (As, All classes are tools, so some tools are classes)

(III) Some nails are tools. → Follows (As, Some tools are nails, so Some nails are tools)

Hence, 'Only conclusion III follows' is the correct answer.

Q14. Answer: (a) 444 : 339

The logic followed here is:

Logic: First number - 107 = Second number

1. 444 : 339 → 444 - 107 = 337 ≠ 339

2. 189 : 82 → 189 - 107 = 82

3. 401 : 294 → 401 - 107 = 294

4. 500 : 393 → 500 - 107 = 393

Hence, '444 : 339' is the correct answer.

Q15. Answer: (c) AYG

The logic followed here is:

Hence, 'AYG' is the correct answer.

Q16. Answer: (d) 9

The code for each letter is shown below:

Here, the alphabet 'AINED' is common in both the word,

So, the remaining alphabet 'T' will be coded as the remaining number '9',

And, the remaining alphabet 'P' will be coded as the remaining number '3',

Clearly, '9' is the code for 'T' in the given code language.

Hence, '9' is the correct answer.

Q17. Answer: (b) 153

Letter	**A**	**B**	**C**	**D**
Meaning	÷	×	•	•

42 A 7 B 13 C 87 D 12 = ?

After replacing the letters by their meaning, we get:

42 ÷ 7 × 13 + 87 - 12 = ?

=> 6 × 13 + 87 - 12 = ?

=> 78 + 87 - 12 = ?

=> 165 - 12 = ?

=> 153 = ?

Hence, ‘153’ is the correct answer.

Q18. Answer: (d) Friday

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.

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If 11 August 1918 is Sunday, then the day on these dates will be:
11 August 1919 → Monday
11 August 1920 → Wednesday
11 August 1921 → Thursday
11 August 1922 → Friday
11 August 1923 → Saturday
11 August 1924 → Monday
11 August 1925 → Tuesday
Number of days between 11 August 1925 to 4 December 1925 = (20 + 30 + 31 + 30 + 4) = 115
115 when divided by 7, leaves 3 as remainder.
Tuesday + 3 = Friday
Therefore, it will be Friday on 4 December 1925.
Hence, 'Friday' is the correct answer.
Alternate MethodGiven: 11 August 1918 is Sunday.
So, 11 August 1918 to 11 August 1925 = 7 Years (5 Ordinary and 2 leap Year)
In 7 years = (5 × 1) + (2 × 2) = 5 + 4 = 9 days.
And, from 11 August 1925 to 4 December 1925 = 20(Aug) + 30(Sept) + 31(Oct) + 30(Nov) + 4(Dec) = 115 days
Total days = 9 + 115 = 124 days → 124/7 = 17 week and 5 odd days.
So, 4 December 1925 = Sunday + 5 + Friday.
Hence. the correct answer is "Option 4".

Q19. Answer: (a) BGW

The logic followed here is:
Hence, 'BGW' is the correct answer.

Q20. Answer: (c) 86 : 252

The logic followed here is:
Logic: (First number × 3) - 1 = Second number
1. 72 : 215 → (72 × 3) - 1 = 216 - 1 = 215
2. 99 : 296 → (99 × 3) - 1 = 297 - 1 = 296
3. 86 : 252 → (86 × 3) - 1 = 258 - 1 = 257 ≠ 252
4. 115 : 344 → (115 × 3) - 1 = 345 - 1 = 344
Hence, '86 : 252' is the correct answer.

Q21. Answer: (a) 383

The logic followed here is:
Hence, '383' is the correct answer.

Q22. Answer: (a) QJ169

The logic followed here is:
• • Similarly,
• Hence, 'QJ169' is the correct answer.

Q23. Answer: (c) [figure]

The correct mirror image of the given figure when the mirror is placed at MN is shown below:
Hence, 'option 3' is the correct answer.

Q24. Answer: (b) LNQ

The logic followed here is:
Logic: First letter + 2 = Second letter; Second letter + 4 = Third letter
1. RTX → R + 2 = T; T + 4 = X
2. LNQ → L + 2 = N; N + 4 = R ≠ Q
3. ACG → A + 2 = C; C + 4 = G
4. IKO → I + 2 = K; K + 4 = O

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Hence, 'LNQ' is the correct answer.

Q25. Answer: (d) SBH : XZM

The logic followed here is:

• • Similarly,

• Hence, 'SBH : XZM' is the correct answer.

Q26. Answer: (d) wide ball

The correct answer is wide ball.

Key Points

• Wide ball:-

• When the umpire extends both hands horizontally in cricket, it means that the ball has been declared a wide ball.

• A wide ball is a delivery that is bowled outside the batsman's reach and is not able to be hit by the batsman.

• The umpire extends both hands horizontally to signal a wide ball to the scorers and the players on the field.

• This signal is recognized universally across all cricket-playing nations.

Additional Information

• Dead ball:-

• It is a ball that is not in play and cannot be hit by the batsman.

• It is usually declared by the umpire in case of an injury or when the ball gets stuck in the equipment of a fielder.

• No-ball:-

• It is a delivery that is bowled illegally, for instance, if the bowler oversteps the crease while bowling or if the delivery is above waist height.

• A no-ball results in the batting team getting an extra run and an additional ball to face.

• Run out:-

• It is a mode of dismissal in cricket when a batsman is out of his crease and a fielder throws the ball onto the stumps before the batsman can return to his crease.

• This can happen when the batsmen attempt to take a run or when the ball hits the bat and deflects onto the stumps.

Q27. Answer: (d) Article 14

The solution is in Hindi. Read it online.

Q28. Answer: (a) Himachal Pradesh

The correct answer is Himachal Pradesh.

Key Points

• Kulhs:-

• 'Kulh' is the most common source of irrigation in the hilly state of Himachal Pradesh.

• These are small local irrigation canals found in Himachal Pradesh.

• They are mainly found in hilly/mountainous regions where they are used to transport melted water from glaciers to villages due to the effect of gravity.

• Under this system, water from the streams is diverted into man-made channels that carry this water to various villages.

• They serve as a source of canal irrigation for agricultural crops.

• Being a hilly area, it was not possible to build tube-wells, borewells in Himachal Pradesh. That's why 'kulhs' came into existence.

• They are jointly managed by common neighboring villages.

• As of today, most of them are defunct after being taken over by the Irrigation Department.

• They are water channels most commonly found in mountain areas.

• Kulhs of Himachal Pradesh

Additional Information

• Water harvesting structures found in other states:

• Kerela - Surangams

• Karnataka - Kattas

• Maharashtra - Bandharas and tals

• Madhya Pradesh and Uttar Pradesh - Bundhis

• Tamil Nadu - Eris

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Q29. Answer: (a) industries in the cooperative sector

The correct answer is industries in the cooperative sector.

Key Points

• Industrial Policy Resolution 1956:-

• It was a policy framework for the development of industries in India.

• The policy classified industries into three categories: (1) industries in the private sector, (2) industries with the public sector taking the lead and the private sector playing a supplementary role, and (3) industries with exclusive ownership of the state.

• The policy did not include industries in the cooperative sector as a separate category.

• The cooperative sector refers to businesses that are owned and operated by a group of individuals who share the profits and control the operations.

• The Industrial Policy Resolution of 1956 was replaced by the New Industrial Policy in 1991, which encouraged liberalization, privatization, and globalization of industries in India.

• Highlights of IPR 1956:

• In order to initiate a new industry or expand existing capacity, private entrepreneurs were supposed to obtain licenses from the government.

• Licensing, imposition of the tax, tax exemptions, and subsidies were used by the government:

• to regulate private industries.

• bring about a reduction in regional disparities in industrial development.

• to keep a check on the production of goods that are socially undesirable.

Additional Information

• Industries with public sector taking the lead and the private sector playing a supplementary role:-

• It refers to industries where the government takes the lead in ownership and management, and the private sector plays a supportive role.

• This model was adopted for industries such as steel, coal, and power generation.

• Industries in the private sector:-

• It refers to industries that are owned and operated by private individuals or companies. This model was encouraged for industries such as consumer goods, textiles, and services.

• Industries with exclusive ownership of the state:-

• It refers to industries that are wholly owned and operated by the state. This model was adopted for industries such as defense, atomic energy, and railways.

Q30. Answer: (a) Maharashtra

The correct answer is Maharashtra.

Key Points

• Pola Festival

• Pola Festival is a thanksgiving festival celebrated by farmers in Maharashtra and Chhattisgarh, to acknowledge the importance of bulls and oxen, who are a crucial part of agriculture and farming activities.

• It falls on the day of the Pithori Amavasya in the month of Shraavana.

• The farmers decorate their bulls on this day and then worship them to perform in the festival.

• This festival is celebrated to show their gratitude towards the bulls for their assistance in the agricultural works by the farmers.

• On the following day of the festival, the plowing activities are started and seeds are sown in the fields.

• It is a very unique festival in Maharashtra where an animal is made the focus of the occasion.

• During the Sravana month, the Pola festival is celebrated on a new moon day which is also called the Pithori Amavasya day.

• The farmers celebrate this day with many traditional dishes like kunbis, poli and karanji which are authentic Maharashtra dishes.

Additional Information

• Mizoram:-

• It is known for its Chapchar Kut festival, which is celebrated in March after the completion of the Jhum cultivation.

• Nagaland:-

• It celebrates the Hornbill festival in December to showcase the state's tribal culture and traditions.

• Karnataka:-

• It is famous for its Mysuru Dasara festival, which is a 10-day-long celebration of the victory of good over evil.

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Q31. Answer: (b) Bharatanatyam

The correct option is Bharatanatyam.

Key Points

• Alarmel Valli:-

• She was awarded the Sangeet Natak Akademi Award in 2001 by India's National Academy for Music, Dance and Drama, Padma Bhushan in 2004 and the Chevalier of Arts and Letters award from the Government of France the same year.

• In 1991, Alarmel Valli was the second youngest dancer to be conferred the Padma Shri from the Government of India, after Vvjayanthimala.

• She founded The Dipasikha Dance Foundation in Chennai in 1984, where she teaches Bharatanatyam.

• She is a leading Indian classic dancer and choreographer and the foremost exponent of the Pandanallur style, in the Indian classical dance form, Bharatanatyam.

• Bharatanatyam:-

• It is a major form of indian classic dance that originated in Tamil Nadu.

• The theoretical foundations of Bharatanatyam are found in Natya Shashtra, the ancient Hindu text of performance arts.

Additional Information Some Indian classic dances and their states of origin:

Indian Classis Dances	State of origin
Kathak	Uttar Pradesh
Kuchipudi	Andhra Pradesh
Odissi	Odisha
Kathakali	Kerala
Sattriya	Assam
Manipuri	Manipur
Mohiniyattam	Kerala

Q32. Answer: (b) Alirajpur

The correct answer is Alirajpur

Key Points

• According to the Census 2011:-

• Alirajpur district has the lowest literacy rate in Madhya Pradesh.

• Alirajpur is considered the poorest city of India with more than 70% population lives below the poverty line.

• It was the least literate district in India based on the 2011 Census.

• The female literacy rate in Alirajpur is 31.0% and the male literacy rate is 43.6%.

• The total literacy rate in Madhya Pradesh is 69.32%.

• Jabalpur has the highest literacy rate in Madhya Pradesh.

Additional Information

• Serchip:-

• In Mizoram it was the most literate district in India based on the 2011 Census.

• Barwani, Jhabhua:-

• These are the districts in Madhya Pradesh under the Indore division.

• Sheopur:-

• It is a city in Madhya Pradesh under the Chambal division.

Q33. Answer: (b) Prem Behari Narain Raizada

The correct answer is Prem Behari Narain Raizada.

Key Points

• Constitution of India:-

• It is a written set of rules that governs any state.

• The Constitution was partialy enacted on 26th November 1949 and completely it came into force on 26 January 1950.

• The Constitution was drafted by the Constituent Assembly which comprised of the indirectly elected members along with the nominated members.

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• The Original Constitution in the English language was written by Prem Bihari Narain Raizada

• The Consitution in Hindi was written by another calligrapher Vasant Krishna Vaidya.

• Raizada was born in a family of calligraphers in the year 1901 and he died in the year 1966.

• Raizada did not charge a single penny for writing the Constitution instead, he wrote his name along with his grandfather's name at the bottom of every page of the Constitution.

• The Constitution at the time of its inception consisted of 395 articles, 22 parts, and 8 Schedules.

• At present, this document consists of about 448 articles, 25 parts and 12 schedules.

• There have been 105 amendments in the Constitution of India up to October 2021.

• The first amendment was done in 1951.

After that, the Constitution has been amended 104 times.

• This is the beauty of the Indian Constitution.

• The Constituent Assembly took almost 2years, 11 months, and 18 days to complete the task of drafting this historic document.

• There were a total of 11 sessions of the Constituent Assembly during this period.

Additional Information

Some Recent Amendments made in the Constitution are as follows:

Amendment number and year	The subject of the Amendment
99th Amendment (2014)	Provision of National Judicial Appointment Commission
100th Amendment (2015)	Land Boundary Agreement between India and Bangladesh
101st Amendment (2016)	Introduction of the Goods and Service (GST) Act in the country
102nd Amendment (2018)	Constitutional status to National Commission for Backward Classes.
103rd Amendment (2019)	Provision of 10% Reservation for Economically Weaker Sections (EWS)
104th Amendment (2020)	Extension of the reservation of seats for SCs and STs in the Lok Sabha and States Assemblies. It removed the reserved seats for the Anglo-Indian community in the Lok Sabha and state assemblies.

Q34. Answer: (d) Robert Boyle

The correct answer is Robert Boyle.

Key Points

• Robert Boyle:-

• He studied the behaviour of gases enclosed in a chamber and formulated the gas law named after him.

• He also contributed to physiology and to the founding of modern chemistry.

• He was the first to isolate and characterize gases like nitric oxide, hydrogen chloride, ammonia, and oxygen.

• He helped to establish the experimental method in chemistry. Boyle introduced many new ways of identifying the chemical composition of substances.

• Law of Behaviour of Gases: These laws tell us about the behaviour of gases. By that, we mean the values and relations of temperature, pressure, and volume, etc.

• Boyle’s Law:-

• Suppose you have some Helium in a gas container at low pressure and temperature. if you increase the volume of the container at a constant temperature, the pressure of the gas will decrease.

• Boyle’s law can be stated as the volume (V) is inversely proportional to pressure (P) at a constant temperature.

_(Additional Information)

• Jacques Charles;-

• He is known for Charles's Law, which describes the relationship between gas volume and temperature at a constant pressure.

• Joseph Gay Lussac:-

• He is known for Gay-Lussac's Law, which describes the relationship between gas pressure and temperature at a constant volume.

• Amedeo Avogadro:-

• He is known for Avogadro's Law, which states that equal volumes of gases at the same temperature and pressure contain the

same number of molecules.

Q35. Answer: (d) Asha Bhosle

The correct answer is Asha Bhosle.

Key Points

• Asha Bhosle:-

• Legendary singer Asha Bhosle will be honoured with the prestigious Maharashtra Bhushan Award for the year 2020.

• Along with two National Awards in 1981 and 1986, she was also honoured with the Dadasaheb Phalke Award in 2000.

• Maharashtra Bhushan Award:-

• It was started in 1996.

• Late writer Purushottam Laxman Deshpande was the first recipient of the honour.

Additional Information

• Padma Vibhushan in 2020

• George Fernandes

• Arun Jaitley

• Anerood Jugnauth

• Mary Kom

• Chhannulal Mishra

• Sushma Swaraj

• Vishwesha Teertha

Q36. Answer: (b) Construction

The correct answer is Construction.

Key Points

• The odd one out is Construction, as it does not belong to the service sector whereas the other options do.

Additional Information

• Hotels and restaurants, Banking and insurance, and Transport and communication are all service sector industries.

• Service sector:-

• It is the largest sector of the economy and includes industries that provide services rather than tangible goods.

Q37. Answer: (b) 19 (1) (c)

The correct answer is 19 (1) (c).

Key Points

• The 97th Constitutional Amendment Act of 2011 gave constitutional status and protection to cooperative societies.

• In this context, it made the following three changes in the Constitution:

• It made the right to form cooperative societies a fundamental right (Article 19).

• It included a new Directive Principle of State Policy on the promotion of cooperative societies (Article 43-B).

• It added a new Part IX-B in the Constitution which is entitled “The Cooperative Societies” (Articles 243-ZH to 243-ZT).

• The new Part IX-B contains various provisions to ensure that the cooperative societies in the country function in a democratic, professional, autonomous, and economically sound manner.

• It empowers the Parliament in respect of multi-state cooperative societies and the state legislatures in respect of other cooperative societies to make the appropriate law.

• Article 43B deals with the promotion of cooperative societies. The State shall endeavor to promote voluntary formation, autonomous functioning, democratic control, and professional management of co-operative societies. [Article 43B Inserted by the 97th Constitution Amendment Act, 2011].

Additional Information

• 97th Amendment Act, 2011

• The right to form cooperative societies is a fundamental right that has been provided in the Indian Constitution.

• It is enshrined in Article 19(c) of the Constitution, which guarantees the freedom to form associations or unions.

• This right was added to the Constitution by the 97th Amendment Act of 2011.

• Article 19(1)(c) guarantees all citizens the right "to form associations or unions or co-operative societies".

• However, this right, like other rights under Article 19, is not absolute and is subject to reasonable restrictions under clause (4) of the same article, namely "in the interests of the sovereignty and integrity of India, the security of the State, friendly relations with foreign States, public order or morality or in relation to contempt of court, defamation or incitement to an offence".

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Q38. Answer: (c) Ghiyasuddin Balban

The correct answer is Ghiyasuddin Balban.

Key Points

• Ghiyasuddin Balban:-

• He started the practice of celebrating Nauroz during the Delhi Sultanate period.

• Ghiyasuddin Balban was a powerful ruler of the Delhi Sultanate who reigned from 1266 to 1287 AD.

• He is credited with introducing many administrative and military reforms during his reign.

• Nauroz:-

• It is a Persian term that means "new day" and is celebrated on the first day of spring.

Additional Information

• Sikandar Sur:-

• He was not a ruler of the Delhi Sultanate period.

• He was a ruler of the Sur dynasty that ruled over parts of India from 1540 to 1556 AD.

• Shamsuddin Iltutmish:-

• He was a ruler of the Delhi Sultanate period who reigned from 1211 to 1236 AD.

• However, there is no historical evidence to suggest that he started the practice of celebrating Nauroz.

• Ghiyasuddin Tughlaq:-

• He was a ruler of the Tughlaq dynasty that ruled over parts of India from 1320 to 1325 AD. He also did not start the practice of celebrating Nauroz during the Delhi Sultanate period.

Q39. Answer: (d) 25

The correct answer is 25.

Key Points

• Arjuna Award:-

• It is one of the highest awards given to sports personalities in India.

• 25 individuals received the Arjuna awards for their outstanding performance in sports and games in 2022.

• The award was instituted in 1961 and is named after Arjuna, a mythological character known for his skills in archery and other sports.

• Nominees for the Arjuna Award must meet stringent criteria, including:

• Consistent exceptional performance over a four-year period

• Exemplary leadership qualities

• Outstanding sportsmanship

• Adherence to strict discipline

Q40. Answer: (c) SN Mukherjee

The correct answer is SN Mukherjee

Key Points

• SN Mukherjee:-

• He was the chief draftsman of the constituent assembly that drafted the document of the Constitution.

• He was a prominent lawyer, politician, and freedom fighter who played a significant role in the Indian independence movement.

Additional Information

• KM Munshi:-

• He was also a member of the constituent assembly and contributed to the drafting of the Constitution, but he was not the chief draftsman.

• H. V. R. Iyengar:-

• He was the sixth Governor of the Reserve Bank of India from 1 March 1957 to 28 February 1962.

• He was a member of the Indian Civil Service, entering service on 20 October 1926.

• Vasant Krishan Vaidya:-

• He was a Gujarati poet, writer, and translator.

• He was born in 1924 in Ahmedabad, Gujarat, India.

• He studied at Gujarat University, where he received a Master of Arts degree in Gujarati literature.

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Q41. Answer: (d) Bryophyta

The correct answer is Bryophyta.

Key Points

• Bryophyta:-

• These are the amphibians of the plant kingdom because they can live in both water and land.

• They are non-vascular plants, meaning they do not have specialized tissues for transporting water and nutrients.

• Bryophyta include mosses, liverworts, and hornworts.

• They play an important role in maintaining ecosystems by providing habitats for insects and other small animals, as well as contributing to soil formation.

Additional Information

• Gymnosperm:-

• It refers to a group of vascular plants that produce seeds without enclosing them in a fruit.

• Examples include pine trees and cycads.

• Pteridophyta:-

• It refers to a group of vascular plants that reproduce by spores.

• Examples include ferns and horsetails.

• Thallophyta:-

• It refers to a now-obsolete classification for a group of non-vascular plants, algae, and fungi.

• It is no longer used in modern taxonomy.

Q42. Answer: (c) Sang Jangmu

The correct answer is Sang Jangmu.

Key Points

• Sang Jangmu:-

• She is an award-winning folk dancer from Arunachal Pradesh.

• She has won several awards and accolades for her performances in various folk dance competitions.

• She is known for her graceful and energetic performances that showcase the rich cultural heritage of Arunachal Pradesh.

• Sang Jangmu has also performed at various national and international events, promoting the culture and tradition of her state.

Additional Information

• Meena Nayak:-

• She is a famous Odissi dancer from Odisha.

• Balkar Sidhu:-

• She is a Punjabi singer and actor.

• Tarubala Debbarma:-

• She is a renowned folk dancer from Tripura.

Q43. Answer: (c) Tamil Nadu

The correct answer is Tamil Nadu.

Key Points

• Lignite:-

• It is a low-grade coal that is used mainly for power generation and industrial processes.

• Tamil Nadu is the largest producer of lignite coal in India, with a share of over 40% of the total lignite reserves in the country.

Additional Information

• Gujarat:-

• It is the second-largest producer of lignite coal in India, with a share of around 20% of the total lignite reserves in the country.

• Jharkhand and Uttar Pradesh:-

• These are not major producers of lignite coal in India, with very small reserves compared to Tamil Nadu and Gujarat.

Q44. Answer: (c) Mool Chand Garg

The correct answer is Mool Chand Garg.

Key Points

• Mool Chand Garg:-

• He heads the Print and Digital Media Association (PADMA).

• Mool Chand Garg is a veteran journalist and media executive with over 35 years of experience in the industry.

• He has worked with leading media organizations such as Zee News, Sahara News, and Dainik Bhaskar.

• As the head of PADMA, Garg is responsible for ensuring that member publishers adhere to the code of ethics and guidelines set by the organization.

• This includes maintaining editorial independence, accuracy, and fairness in reporting.

• PADMA:-

• It is a self-regulatory body approved by the Central Government for publishers of news and current affairs across the country.

Q45. Answer: (a) 1853

The correct answer is 1853.

Key Points

• Railway in India:-

• The first railway line in India was constructed in the year 1853, between Bombay (now Mumbai) and Thane.

• The line was constructed by the Great Indian Peninsula Railway (GIPR) under the British East India Company's rule.

• The 34 km long railway line was opened for public use on 16th April 1853, and it was a major milestone in the history of Indian transportation.

• The first train that ran on this line was named 'The Sahib', and it had three steam locomotives named 'Sindh', 'Sultan', and 'Sahib'.

Additional Information

• 1887 was the year when the first electric tramway was introduced in India, in the city of Bombay.

• 1890 represents the year when the first railway line was constructed in the state of Madras (now Chennai) by the Madras Railway Company, connecting the port city of Madras with the inland town of Arcot.

Q46. Answer: (c) Yuki Bhambri - Saketh Myneni

The correct answer is Yuki Bhambri and Saketh Myneni.

Key Points

• Bangkok Open:-

• It is a tennis tournament held annually in Bangkok, Thailand.

• Yuki Bhambri:-

• He is a professional tennis player from India who has won several titles in both singles and doubles categories.

• Saketh Myneni:-

• He is also a professional tennis player from India who has won several doubles titles in his career.

Additional Information

• Sumit Nagal and Saketh Myneni:-

• They have played together in doubles tournaments, but they did not win the title in Bangkok Open 2023.

• Yuki Bhambri and Purav Raj:-

• They have also played together in doubles tournaments, but they did not win the title in Bangkok Open 2023.

• Divij Sharan:-

• He is another Indian tennis player who has won several doubles titles in his career, but he did not win the Men's Double title in Bangkok Open 2023.

Q47. Answer: (a) low information monitoring costs

The correct answer is low information monitoring costs.

Key Points

• Lack of access to credit for the poor:-

• It is a pervasive problem in many developing countries, and it can be attributed to various factors.

• One of the main reasons is the lack of a stable source of income, which makes it difficult for lenders to assess the creditworthiness of the borrower and increases the risk of default.

• Another reason is the absence of collateral with clear title, which makes it difficult for lenders to secure their loans and reduces their willingness to lend to poor borrowers.

• Lenders may also prefer dealing in large loans in small numbers to minimize administration costs, which can make it difficult for poor borrowers who need small loans to access credit.

• However, low information monitoring costs are not a reason for the lack of access to credit for the poor. In fact, low monitoring costs can make it easier for lenders to monitor the use of the loan and reduce the risk of default.

Q48. Answer: (b) 1932

The correct answer is 1932.

Key Points

• Carl Anderson:-

• He was an American physicist who won the Nobel Prize in Physics in 1936 for his discovery of the positron.

• Anderson's discovery also led to the development of positron emission tomography (PET), which is now widely used in medical imaging.

Additional Information

• Positron:-

• It is the antiparticle of an electron and has the same mass as that of an electron but carries a positive charge.

• The discovery of the positron provided evidence for the existence of antimatter, which was predicted by Paul Dirac in 1928.

Q49. Answer: (b) Both A and B

The correct answer is Both A and B.

Key Points

• Capital receipt:-

• It refers to the inflow of funds that are not generated from the regular operations of a business or organization.

• It can include sources such as sale of assets, borrowing, or capital contributions from shareholders or investors.

• Borrowings from World Bank to fund Project to Save Tigers - This is a capital receipt because it increases a liability (the amount borrowed needs to be repaid) and is intended for a capital project (funding a specific conservation project).

• Sale of 30% stake in a PSU to private companies is an example of capital receipt, as it is an inflow of funds from the sale of an asset.

Q50. Answer: (d) Financial services could enable the poor to earn high rates of interest on deposits.

The correct answer is Financial services could enable the poor to earn high rates of interest on deposits.

Key Points

• Micro-finance:-

• It refers to providing financial services to low-income individuals or groups who lack access to traditional banking services.

• It is aimed at enabling them to start or expand their small businesses, build assets, and improve their economic security.

• However, earning high rates of interest on deposits is not a key feature of micro-finance, as it is primarily focused on providing credit and savings services rather than investment opportunities.

• Micro-finance has been widely adopted as a development strategy to alleviate poverty and promote economic growth in many developing countries.

Q51. Answer: (c) 54

Given

A sphere is melted and moulded into a solid cylinder.

Formula Used:

volume of sphere = $4/3 \times 22/7 \times r^3$;

Total surface area of sphere = $4 \times 22/7 \times r^2$; where r = radius of sphere

Volume of cylinder = $22/7 \times R^2 \times h$

Total surface area of cylinder = $2 \times 22/7 \times R(R + h)$; where R = radius of cylinder, h = height of cylinder

Calculation:

Let the number of cylinder formed be n.

Since the sphere is melted into a cylinder i.e. volume remains the same

=> $4/3 \times 22/7 \times 9^3 = n \times 22/7 \times 3^2 \times 2$

=> n = 54

The answer is 54.

Q52. Answer: (d) 90°

Given:

Δ ABC ~ ΔPQR

Concept used:

AAA (Angle-Angle-Angle) congruency rule: The two triangles are said to be congruent if any angles included between the sides of

one triangle are equivalent to the corresponding angles between the sides of another triangle.
Calculations:
As we know,
The triangles is similar to each other,
Then the corresponding angles will also be equal.
angle A = angle P,
angle B = angle Q and angle C = angle R
angle B = 180 - (80 + 10) = 90
angle B = angle Q = 90º
The answer is 90º

Q53. Answer: (d) 1/4

Formula used
if a + b + c = 0, then $a^3 + b^3 + c^3 = 3abc$
Calculation
$((1-m)^3+(m-n)^3+(n-1)^3)/(12(1-m)(m-n)(n-1))=$
$((1-m)^3+(m-n)^3+(n-1)^3)/(4 \times 3(1-m)(m-n)(n-1))=$
Since 1 - m + m - n + n - 1 = 0,
$=> ((1-m)^3+(m-n)^3+(n-1)^3)/(4 \times 3(1-m)(m-n)(n-1))$
$=> (3(1-m)(m-n)(n-1))/(4 \times 3(1-m)(m-n)(n-1))$
=> 1/4
The answer is 1/4.

Q54. Answer: (b) 5 : 2

Calculation
The monthly profit of P = 800
The monthly profit of U = 320
The ratio = 800: 320 = 5:2
The answer is 5:2

Q55. Answer: (d) Rs. 645

Given:
Payment per delivery: Rs. 90
Average daily earnings for 15 days: Rs. 540
Average earnings for the first 7 days: Rs. 519
Average earnings for the last 7 days: Rs. 546
Total working days: 15.
Formula used:
Average = sum of observation/total number of observation.
Calculations:
Total earnings for 15 days => Rs. 540 × 15 = Rs. 8100.
Total earnings for the first 7 days => Rs. 519 × 7 = Rs. 3633.
Total earnings for the last 7 days => Rs. 546 × 7 = Rs. 3822.
Adding earnings of the first 7 days and last 7 days => Rs. 3633 + Rs. 3822 = Rs. 7455.
Subtracting this total from the overall total earnings for 15 days to find the 8th day's earnings: Rs. 8100 - Rs. 7455 = Rs. 645.
Hence, Rajender's earning on the 8th day of the fortnight was Rs. 645.

Q56. Answer: (c) 26

Given:
x2 + y2 + z2 = 628
xy + yz + zx = 24
Formula used:
$(x + y + z)^2 = x2 + y2 + z2 + 2(xy + yz + zx)$

Calculations:

$(x + y + z)2 = x2 + y2 + z2 + 2(xy + yz + zx)$

$(x + y + z)2 = 628 + 2×24) = 628 + 48 = 676$

$((x + y + z)^2 = 676) => (x + y + z) = 26$

Hence, the value of $((x + y + z))$ is 26

Q57. Answer: (d) 73.91%

Calculation:

The number of Meteorology = 17%

The number of Astrophysics = 23%

$=> (17/23)× 100 =73.91\%$

Hence, the correct option is (4).

Q58. Answer: (a) 2 cosec A cot A

Calculation:

$=> 2secA/(sec^2 -1) = 2secA/(tan^2A)$ [$sec^2A - tan^2A = 1$]

$=> (2 × cos^2A) / (cosA × sin^2A)$ [$secA = 1/cosA$, $tanA = (sinA / cosA)$]

=> 2 cosecA cotA [$cosecA = 1/sinA$, $cotA = (cosA / sinA)$]

Therefore The correct answer is 2 cosecA cotA.

Q59. Answer: (a) 24 hours

Given :

The speed of a boat in standing water = 9 km/h

The speed of the stream =1.5 km/h.

Distance = 105 km

Formula used :

Speed = Distance / Time

Concept used :

Now when the boat goes down the boat flows along with the water hence speed of the boat will be increased by the speed of the current.

Downstream speed = speed of still water + speed of the stream

Now when the boat goes down the boat flows against the water hence speed of the boat will be decreased by the speed of the current.

Upstream speed = speed of still water - speed of the stream

Calculation :

Downstream speed = 9 + 1.5 = 10.5 km/h

Upstream speed = 9 - 1.5 = 7.5 km/h

Total time = (105/10.5) + (105/7.5)

Total time = 10 + 14 hours = 24 hours

Hence, the correct option is (1).

Q60. Answer: (d) 1,860

Given:

Principal (P) = Rs. 12,000

First-year interest rate (r1) = 5%

Second-year interest rate (r2) = 10%

Calculation:

$A1 = P(1 + r1)$

$A1 = 12000(1 + 0.05)$

$A1 = 12000 × 1.05$ = Rs. 12,600

Second Year: For the second year, we use the amount at the end of the first year as the principal.

P2 = A1 (the amount from the first year becomes the principal for the second year)

$A2 = P2(1 + r2)$

A2 = 12600(1 + 0.1)
A2 = 12600 × 1.1 = Rs. 13,860
Compound Interest = A2 - P
Compound Interest = 13860 - 12000 = Rs. 1,860
Therefore, the compound interest Kalyan earned at the end of two years is Rs. 1,860.
Shortcut Trick
5% = 1/20
10 = 1/10

20	21
10	11

Amount after 2 year = 12000 × 21/20 × 11/10 = 13860
Interest = 13860 - 12000 = Rs. 1,860

Q61. Answer: (a) Rs. 500

Formula used:
SI = PRT/100
Calculation:
Let the Amount invested at 12% be Rs. 100x
And the Amount invested at 10% be Rs. 100y
=> 130 = (100x × 12 × 1)/100 + (100y × 10 × 1)/100
=> 12x + 10y = 130 ----(i)
Now, according to the question,
Amount invested at 12% = Rs. 100y
Amount invested at 10% = Rs. 100x
=> 134 = (100y × 12 × 1)/100 + (100x × 10 × 1)/100
=> 12y + 10x = 134 ----(ii)
On solving (i) and (ii), we get
=> 10(12x + 10y) = 10(130)
=> 12(10x + 12y) = 12(134)
=> 120x + 100y = 1300
=> 120x + 144y = 1608
Subtract the second equation from the first:
=> 120x + 100y - (120x + 144y) = 1300 - 1608
=> 120x + 100y - 120x - 144y = -308
=> -44y = -308
=> y = 7
Substitute the value of (y) into one of the original equations to find (x).
=> 12x + 10(7) = 130
=> 12x + 70 = 130
=> 12x = 60
=> x = 5
Therefore, (100x = 500) and (100y = 700).
Therefore Amount invested at 12% simple interest = Rs. 500

Q62. Answer: (c) 15 : 8

Calculation :
Let the amount that Sunaina has = A
And the amount that Ranjan has = B
Then according to the question,
The sum of the amount = 23
=> A + B = 23 -------(1)

And the difference of the amount = 7

=> A - B = 7 --------(2)

On solving equation(1) and equation(2)

A = 15 and B = 8

Now, A : B = 15 : 8

Therefore The ratio of the amount that Sunaina and Ranjan have is 15 : 8.

Q63. Answer: (a) Rs. 413

Given:

The marked price of the article is 40% above the cost price

Discount of 7.5% on UPI payments

Concept Used:

Marked price (MP) = 100 × SP/(100 - d)

Where SP = Selling price, and d = discount percentage

Calculation:

Selling Price of the shirt = Rs. 1813

According to the formula,

Marked price (MP) of the shirt

=> 100 × 1813 / (100 - 7.5) = Rs. 1960

Now the MP of the shirt is 40% more than the cost price (CP)

So, CP = 100 × 1960 / (100 + 40) = Rs. 1400

Profit earned = (1813 - 1400) = Rs. 413

Therefore Actual profit made on the shirt is Rs. 413

Q64. Answer: (c) 33 1/3 %

Given:

Marked price = Rs 560

Discount = 16%

Profit = 12%

Formula used:

MP / CP = [(100 + P%) /(100 - D%)]

%P = [(SP - CP) / CP] × 100

MP = marked price, CP = cost price, D =discount, P = profit, SP = selling price

Calculation:

=> 560 / CP = (112/84)

=> CP = (560 × 84) /112 = 420

If no discount on MP then MP will be SP

=> P = SP - CP = 560 - 420 = 140

=> %P = (140/420) × 100 = 33 1/3 %

Therefore The correct answer is 33 1/3 %.

Q65. Answer: (d) 8√3 cm

Given

Radius = 8 cm

Concept used

The radius is perpendicular to the Rchord and divides it into two equal halves.

Calculation

According to the question:

Let PQ divide RS at O.

RO = √(82 - 42)

RO = √48 = 4√3

RS = 2 × RO

RS = 2 × 4√3 = 8√3

The answer is 8√3 cm

Q66. Answer: (b) -40

Calculation

87 × 256 + 16 - 77 ÷ 1359

After changing the signs:

=> 87 + 256 ÷ 16 × 77 - 1359

=> 87 + 16 × 77 - 1359

=> 87 + 1232 - 1359

=> 1319 - 1359 = - 40

The answer is - 40.

Q67. Answer: (a) 4

Given:

Marks percentage obtained by students in various subjects and the criteria for distinction are 80% or above in a subject.

Calculation:

Ayush's Distinction Subjects:

Maths (90%)

Physics (90%)

Computer Science (80%)

Aman's Distinction Subjects:

Maths (100%)

Chemistry (80%)

Physics (80%)

History (80%)

Sajal's Distinction Subjects:

History (90%)

Rohit's Distinction Subjects:

Geography (80%)

Muskan's Distinction Subjects:

Maths (80%)

Physics (85%)

Geography (95%)

Computer Science (90%)

Tanvi's Distinction Subjects:

Geography (85%)

Tanin's Distinction Subjects:

History (80%)

Computer Science (80%)

Therefore The maximum number of subjects in which any single student (Aman and Muskan) has received a distinction is 4 subjects.

Q68. Answer: (c) 64.25°

Concept used

The angle subtended at the centre of a circle by an arc of the circle is twice of the angle subtended at the circumference of the circle by the same arc

Calculation

The angle subtended at the circumference of the circle by the same arc = 128.5°/2 = 64.25°

The answer is 64.25°

Q69. Answer: (b) 14.1 years

Given

The average age of 25 students in a class is 14 years.

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Concept used
Average
Calculation
Total sum of age of 25 students = 25 × 14 = 350
Total sum of age of 5 students = 5 × 14.6 = 73
Total = 350 + 73 = 423
Average = 423/30 = 14.1 years
The answer is 14.1 years

Q70. Answer: (d) 80

Given:
Two circles having a radius 40 cm and 30 cm
Length of transverse tangent = 10√15 cm
Formula used:
AB= √[(Distance between the centers of two circles)² - (Sum of radius)²]
Where, AB = length of transverse tangent
Calculation:
Let, (Distance between the centers of two circles = oo'
By using the formula,
10√15 = √[(oo')² - (40 + 30)²]
=> 10√15 = √[(oo')2 - (70)2]
On squaring both sides,
=> (10√15)² = (oo')2 - (70)2
=> 1500 = (oo')2 - 4900
=> 1500 + 4900= (oo')2
=> 6400= (oo')2
=> oo' = 80 cm
Therefore The correct answer is 80 cm.

Q71. Answer: (a) 1-sin A

Formula used
Cos² A = 1 - Sin² A
Calculation
(cos² A)/(1+sin A)
=> (1 - Sin2 A)/(1 + SinA)
=> (1 - SinA)(1 + SinA)/(1 + SinA)
=> 1 - SinA
The answer is 1 - SinA

Q72. Answer: (b) 2

Given:
x+1/x=-1
Calculation:
=> x+1/x=-1
Multiplying both sides by x we get,
=> x² + 1 = -x
=> x2 + x + 1 = 0
Multiplying both sides by (x - 1) we get,
=> (x - 1)(x2 + x + 1) = 0
=> x³ + x² + x - x2 -x -1 = 0
=> x3 -1 = 0
=> x3 = 1 ---- eq (1)
Now, x^(15)+1/(x^(15)) = (x³)^5+1/((x³)^5)

Putting $x^3 = 1$ from eq (1) we get,

=> 1^5 + (1/1^5) = 1 + 1 = 2

Therefore The correct answer is Option 2).

Q73. Answer: (d) 28

Given:

Initial ratio of two numbers: 1 : 2

After adding 7 to both numbers, new ratio: 3 : 5

Solution:

=> Let the smaller number be (x) and the larger be (2x) (according to the initial ratio 1 : 2).

=> After adding 7 to both, the numbers change to (x + 7) and (2x + 7) respectively.

=> The new ratio is given to be 3 : 5, thus (x + 7)/(2x + 7) = 3/5

=> 5(x + 7) = 3(2x + 7)

=> (5x + 35 = 6x + 21

=> (35 - 21 = 6x - 5x).

=> 14 = x

=> The greater number is thus (2x = 2 × 14 = 28).

Hence, the greater number is 28.

Q74. Answer: (b) (iii)

Formula used

Successive discount = x + y - xy/100

Total discount on article = (Article get free)/(Total articles) × 100

Calculation

Scheme I. Two successive discounts of 12% each.

So, effective discount for scheme I is = 12 + 12 - (12 × 12)/100

= 24 - 1.44 = 22.56%

Scheme III. Buy 5 get 1 free

So, effective discount for scheme II is = (Article get free)/(Total articles) × 100

= 1/(5 + 1) × 100 = 16.67%

Scheme iv. Buy 6 get 2

So, effective discount for scheme III is = (Article get free)/(Total articles) × 100

= 2/(6 + 2) × 100 = 25%

So, the answer is Scheme (iii).

The answer is (option 2).

Q75. Answer: (b) 4

Formula used

sin 30 = 1/2

sin 60 = √3/2

sin45 = 1/√2

sin (90 - A) = Cos A

Calculation

sin2 30 + sin2 40 + sin2 45 + sin2 55 + sin2 35 + sin2 45 + sin2 50 + sin2 60

=> $(1/2)^2 + \sin^2(90 - 50) + 2\sin^2 45 + \sin2(90 - 35) + \sin2\ 35 + \sin2\ 50 + (\sqrt{3}/2)^2$

=> 1/4 + cos2 50 + $2(1/\sqrt{2})^2$ + cos2 35 + sin2 35 + 1 + sin2 50 + 3/4

=> 1/4 + 3/4 + 2(1/2) + cos2 50 + sin2 50 + cos2 35 + sin2 35

=> 1 + 1 + 1 + 1 = 4

The answer is 4.

Q76. Answer: (b) bounded

The solution is in Hindi. Read it online.

Q77. Answer: (c) To get to the point

The solution is in Hindi. Read it online.

Q78. Answer: (a) enhance their reputation

The correct answer is "enhance their reputation."

Key Points

• The error in the sentence is the incorrect use of the verb form after the preposition "to."
• Here, "enhance" is the base form of the verb used after the preposition "to."
• Structure: to + base form of the verb
• Example: I want to leave the house.
• The correct form of the verb in this case is the base form, not the gerund form.
• The correct answer is Option 1.

Correct sentence: In order to enhance their reputation, companies are investing a lot of money in social initiatives.

Q79. Answer: (c) Caravan

The solution is in Hindi. Read it online.

Q80. Answer: (d) Dexterous

The solution is in Hindi. Read it online.

Q81. Answer: (b) did you took a break

Here, the erroneous part is "did you took a break."

Key Points

• The error in the sentence is the incorrect use of the past tense verb "took."
• The correct form of the verb to use after the auxiliary verb "did" is the base form of the verb, which is "take."
• The verb "took" is in the past tense, but it should be in the base form "take" because "did" already indicates past tense.
• The correct sentence should be "After working so much in the fields yesterday, did you take a break?"
• The correct answer is Option 2.

Q82. Answer: (b) from one and all in the country and abroad

The solution is in Hindi. Read it online.

Q83. Answer: (a) for the last several years

The correct answer is "for the last several years."

Key Points

• The word ‘since’ is used to refer to a time (an action that begun in the past and is still continuing).
• Example: We have been married since 1996.
• The word ‘for’ is used to show a period of time in the past, present, or future.
• Example: I was waiting for an hour.
• The phrase "for the last several years" is grammatically correct and means the same thing as the original sentence.
• The use of "last" indicates that the speaker is referring to a specific period of time that has already passed.
• Generally, when "last" followed by a noun, the definite article "the" is used before it.
• Example: It was the last time I won.
• The correct answer is Option 1.

Correct sentence: I have been living in this country for the last several years but have never experienced any discrimination.

Q84. Answer: (b) We demand an inquiry.

The correct answer is "We demand an inquiry."

Key Points

• The given sentence is in Passive Voice and Simple Present tense.
• As per the given question, we have to change it into Active Voice.
• The structure of the given sentence is as follows:
• Subject (objective case)+ is/am/were + V3 + Object (subjective case). (Passive Voice)
• Subject + V1(s/es)+ Object. (Active Voice)
• Example:

• They are shown some rare photographs by their cousin. (Passive Voice)
• Their cousin show them some rare photographs. (Active Voice)
• The subject of the given sentence is 'inquiry' and the object is 'us.'
• The subject will be put in place of the object and the object will be put in place of the subject.
• 'Is demanded' will be changed into 'demand.'
• Therefore, the correct answer is 'Option 2.'
Correct sentence: We demand an inquiry.

Q85. Answer: (a) to visit a zoo

Here, the erroneous part is "to visit a zoo."
Key Points
• The segment 'to visit a zoo' is incorrect.
• The error lies in the use of the article "a" before the noun "zoo."
• Here, we are referring to the specific "zoo," so must use "the" before the word "zoo."
• The correct sentence would be "Do you want to visit the zoo when you go to Ahmedabad?"
• The correct answer is Option 1.

Q86. Answer: (c) concessions

The solution is in Hindi. Read it online.

Q87. Answer: (c) out and out

The solution is in Hindi. Read it online.

Q88. Answer: (b) The concerned teacher will give the other details.

The correct answer is "The concerned teacher will give the other details."
Key Points
• The given sentence is in Simple Future Tense and in Passive Voice.
• The rule for changing a Simple Future Tense from Active voice to Passive voice or Passive to Active Voice:
• To convert a sentence from passive voice to active voice, we need to identify the subject (who is performing the action) and make it the subject of the sentence.
• Structure:
• Object + will + be + V3 + by Subject (Passive Voice)
• Subject + will + V1 + object (Active Voice)
• Example:
• A song will be sung by Esha. (Passive Voice)
• Esha will sing a song. (Active Voice)
• In active voice, the subject (other details) performs the action (giving) on the object (concerned teacher).
• In this case, the subject is "concerned teacher" and the object is "other details."
• The correct answer is Option 2.
Correct sentence: The concerned teacher will give the other details.

Q89. Answer: (d) worthless

The solution is in Hindi. Read it online.

Q90. Answer: (b) Resielient

The solution is in Hindi. Read it online.

Q91. Answer: (a) Hostile

The solution is in Hindi. Read it online.

Q92. Answer: (a) CEBDA

The correct answer is "CEBDA."
Key Points
• The paragraph talks about a music festival that was interrupted by a sudden storm, causing chaos and uncertainty among the festival-goers.
• Sentence C sets the context by introducing the festival and its lively atmosphere. So, it must be the first sentence.

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• Sentence E provides further description of the festival, emphasizing the size of the crowds and the excitement of the fans. So, E must follow C.

• Sentence B introduces the conflict by describing the sudden storm that disrupted the festival. So, B must follow E.

• Sentence D describes the organizers' efforts to evacuate the attendees, but the difficult conditions caused by the heavy rain and mud made it a challenging task. So, D must follow B.

• Sentence A concludes the paragraph by highlighting the uncertainty and concern among the festival-goers about the future of the event. So, the last sentence must be A.

• The correct answer is Option 1.

Correct sequence:

C. The music festival was in full swing, with dozens of bands performing on multiple stages throughout the day.

E. The crowds were massive, and the energy was electric as fans danced and sang along to their favourite songs.

B. However, as the sun began to set, a massive storm cloud rolled in, and lightning streaked across the sky.

D. The organisers frantically tried to evacuate the festival-goers, but the sudden downpour made it nearly impossible to move through the mud-soaked fields.

A. As people huddled under tents and tarps, they wondered if the festival would ever be the same again.

Q93. Answer: (b) Knowledgeable

The solution is in Hindi. Read it online.

Q94. Answer: (c) Permanent

The solution is in Hindi. Read it online.

Q95. Answer: (b) Formidable

The solution is in Hindi. Read it online.

Q96. Answer: (b) nothing

The solution is in Hindi. Read it online.

Q97. Answer: (b) pockets

The solution is in Hindi. Read it online.

Q98. Answer: (a) jewellery

The solution is in Hindi. Read it online.

Q99. Answer: (a) coat

The solution is in Hindi. Read it online.

Q100. Answer: (b) no

The solution is in Hindi. Read it online.

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