SSC CHSL Tier-1 2023: Official Paper (Held On: 08 Aug, 2023 Shift 2) (Previous Year Paper)

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

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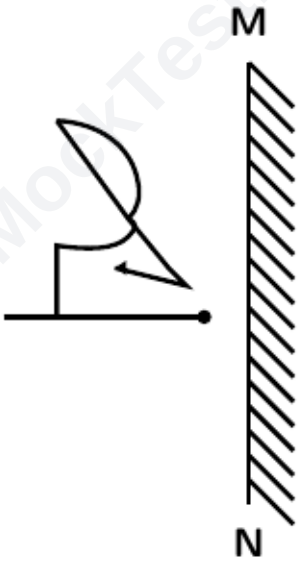
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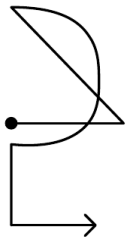
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ENGLISH LANGUAGE

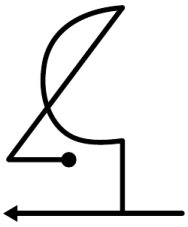
Q1. Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



(a)

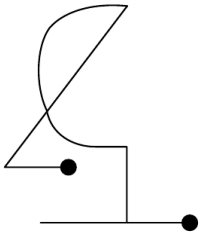


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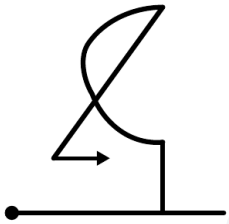


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(c)



(d)



Q2. In a certain code language,

A + B means 'A is the mother 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 B related to E if 'A - B × C ÷ D + E'?

(a) Mother's mother

(b) Brother's mother

(c) Mother's husband

(d) Daughter's husband

Q3. What should come in place of the question mark (?) in the given series?

123, 194, 267, ?, 429

(a) 400

(b) 346

(c) 362

(d) 333

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

5 - 9 × 8 ÷ 12 + 4 = ?

(a) 12

(b) 27

(c) 40

(d) 23

Q5. What should come in place of the question mark (?) in the given series?

473, 464, 448, ?, 387

(a) 378

(b) 348

(c) 423

(d) 323

Q6. What should come in place of ? in the given series?

38 39 41 44 48 ?

(a) 56

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(b) 53
(c) 51
(d) 55

Q7. In a certain code language, 'BLADE' is written as 'CKBCF' and 'CHALK' is written as 'DGBKL. How will 'DIGITAL' be written in that language?
(a) FHGHVZN
(b) EHHHUZM
(c) FGGHVYN
(d) EGHGWYM

Q8. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
JOQW, LQSY, ?, PUWC
(a) MRTZ
(b) NSUA
(c) KPRX
(d) AUSN

Q9. Which term from among the given options can replace the question mark (?) in the following series to make it logically complete?
EZ 10, ?, ID 36, KF 49, MH 62
(a) HC 21
(b) FB 22
(c) GB 23
(d) FC 21

Q10. In a certain code language, he will go to market' is written as 'xi ui hi ni ji' and 'market is very crowded' is written as 'wi ni ki di' and 'come to crowded market' is written as 'ui ni fi di'. How is 'come' written in the given language?
(a) di
(b) ui
(c) ni
(d) fi

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 follow's from the given statements.
Statements: All tulips are lilies. All orchids are lilies. No lily is a rose.
Conclusion (I): Some tulips are orchids.
Conclusion (II): No orchid is a rose
(a) Only conclusion II follows.
(b) Only conclusion I follows.
(c) Neither conclusion I nor II follows.
(d) Both conclusions I and II follow.

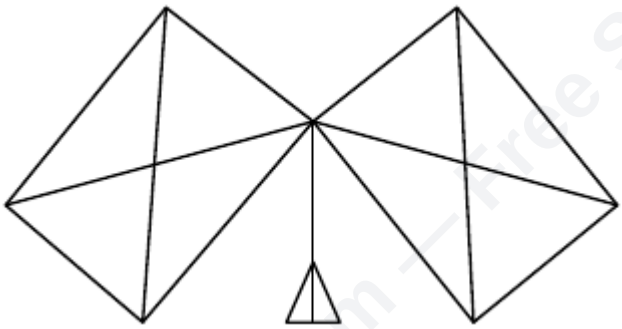
Q12. Three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
(a) RSU
(b) XYA
(c) DEG
(d) ZAB

Q13. Which term from among the given options can replace the question mark (?) in the following series to make it logically complete?
XD 45, YE 53, ?, AG 58, BH 55
(a) ZG 52

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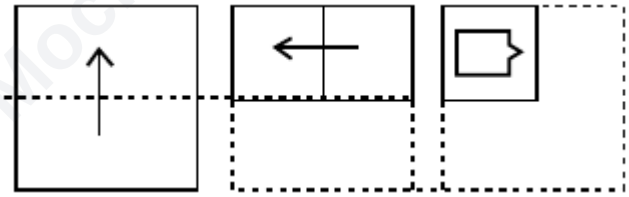
(b) ZF 54
(c) AF 51
(d) ZF 50

Q14. How many triangles are there in the given figure?

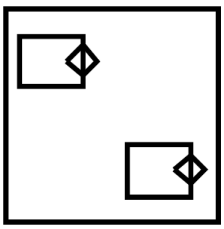


(a) 18
(b) 19
(c) 17
(d) 16

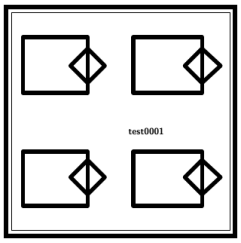
Q15. A paper is folded and cut as shown below. How will it appear when unfolded?



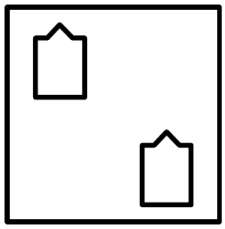
(a)



(b)

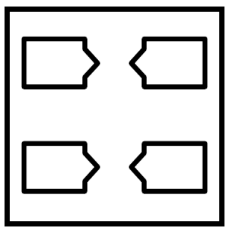


(c)



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(d)



Q16. If 15th January 1996 is Monday, then what will be the day of the week on 30th March 1997?

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

Q17. In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

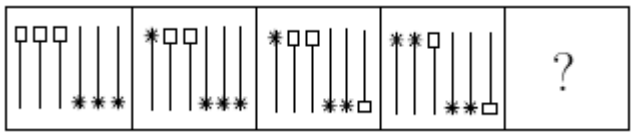
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13-Operations on 13 such as adding/subtracting/ multiplying etc, to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3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

(42, 370)

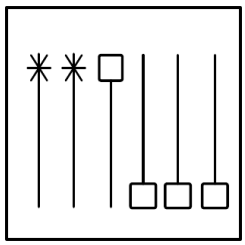
(57, 505)

(a) (29, 253)
(b) (31, 288)
(c) (49, 449)
(d) (84, 747)

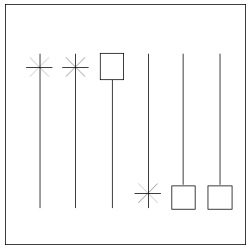
Q18. Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.



(a)

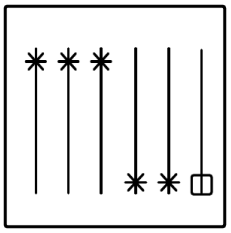


(b)

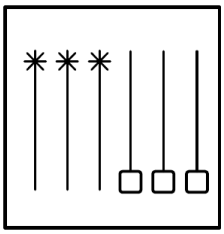


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(c)



(d)



Q19. What will come in the place of "?" in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

71 - 11 × 484 ÷ 88 + 30 = ?

(a) 39
(b) 49
(c) 43
(d) 33

Q20. In a certain code language,

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

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

A × B means 'A is the father of B',

A ÷ B means 'A is the mother of B

Based on the above, if 'P × Q + R - S ÷ T', which of the following is true?

(a) T is the son of S.
(b) Q is the sister of S.
(c) R is T's mother's brother.
(d) P is the father of R.

Q21. 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) 5:45
(b) 2:10
(c) 3:21
(d) 4:32

Q22. JOSV is related to LQUX in a certain way based on the English alphabetical order. In the same way. EJNQ is related to GLPS. Which of the following is DIMP related to, following the same logic?

(a) FKOR
(b) FJMO
(c) FJNP
(d) HMQT

Q23. What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and '×' and '÷' are interchanged?

72 - 33 × 605 ÷ 110 + 70 = ?

(a) 18

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(b) 4
(c) 24
(d) 8

Q24. Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion's logically follow's from the given statements.

Statements: All directors are actors. Some actors are writers. No writer is a producer.

Conclusion (I): Some directors are writers

Conclusion (II): No producer is a director

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

Q25. If 19 December 1992 is Saturday, then what will be the day of the week on 22 December 2009?

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

GENERAL INTELLIGENCE

Q26. Joseph Francois Dupleix was the Governor General of which of the following East India companies in India?

(a) Dutch
(b) French
(c) English
(d) Portuguese

Q27. Indian sportsperson Praveen Chithravel who missed out on a medal at Commonwealth Games 2022 but made a strong comeback to win silver at the Asian Championships with a national indoor record is associated with which of the following sports?

(a) Triple jump indoor
(b) Shot put indoor
(c) Long jump indoor
(d) 800 m indoor

Q28. Final goods are divided into:

(a) raw materials and semi-finished goods
(b) single goods and composite goods
(c) consumption goods and capital goods
(d) war goods and civilian goods

Q29. Neena Prasad was awarded the Sangeet Natak Akademi Award 2021 for her contribution to _____.

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

Q30. Pawl Kut is a thanksgiving festival of which Indian state?

(a) Kerala
(b) Gujarat
(c) Mizoram
(d) Himachal Pradesh

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Q31. Which of the following is an INCORRECT statement in regard to the meaning of "Union of States" in the indian context?

(a) Country was divided into different states for administrative convenience.
(b) Indian federation was the result of an agreement by sovereign units to join it.
(c) Enumerates the power of centre and states through various lists.
(d) Federation not being the result of agreement, no state has a right to secede from it.

Q32. Which German chemist used the technique of preparing hydrocarbons by electrolysis of solutions of salts of fatty acids?

(a) Cecilia payne
(b) Marcellin Berthelot
(c) Giulio Natta
(d) Hermann Kolbe

Q33. Which five year plan in India is referred to as the Mahalanobis Plan?

(a) 4th Five Year Plan
(b) 2nd Five Year Plan
(c) 1st Five Year Plan
(d) 3rd Five Year Plan

Q34. Who among the following founded the Indian Association along with Anand Mohan Bose?

(a) Dada Bhai Naoroji
(b) Gopal krishna Gokhale
(c) Pheroz Shah Mehta
(d) Surendranath Banerjee

Q35. Which of the following statements is correct about the value of money?

i. It is directly related to the price level.
ii. It is not related to the price level.
iii. It is indirectly related to the price level.

(a) None of the statements are correct
(b) Only ii is correct
(c) Only iii is correct
(d) Only i is correct

Q36. Mulayam Singh Yadav posthumously received the Padma Vibhushan in 2023. In which category did he receive the Padma Vibhushan award in 2023?

(a) Literature and Education
(b) Art
(c) Public affairs
(d) Trade and Industry

Q37. Which measure(s) is the Reserve Bank most likely to take to combat inflation in the economy?

A) Increase repo rate
B) Increase money supply
C) Decrease cash reserve ratio

(a) Only A
(b) Both B and C
(c) Only B
(d) Both A and C

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Q38. Between who among the following did the Battle of Chandawar take place?

(a) Jaychand and Mahmood Gaznavi
(b) Jaychand and Muhammad Ghori
(c) Prithviraj III and Mahmood Gaznavi
(d) Prithviraj III and Muhammad Ghori

Q39. Which vitamin is synthesised in the presence of sunlight in our body?

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

Q40. Who among the following Indian grandmasters won the India's first ever silver medal at FIDE World Rapid and Blitz Championship 2022?

(a) Koneru Humpy
(b) Harika Dronavalli
(c) Bhakti Kulkarni
(d) Tania Sachdev

Q41. The stabilisation function of the government budget mainly includes.

(a) allocation of resources
(b) intervention to expand or reduce the demand
(c) production of public goods
(d) distribution of income in society in a fair way

Q42. Which of the following statements is INCORRECT about the Deccan Plateau?

(a) The Satpura Range is in the South of the Plateau.
(b) The Eastern Ghats are in the East of the plateau.
(c) The Western Ghats are in the West of the Plateau.
(d) The Vindhya Range is in the North of the Plateau.

Q43. In which dialdehyde are two formyl groups attached to adjacent carbon centres on a benzene ring and form fluorescent conjugation products with primary amines?

(a) Phthalaldehyde
(b) Acetaldehyde
(c) Valeraldehyde
(d) Isobutyraldehyde

Q44. The folk dance of Chavittukali is associated with which of the following Indian states?

(a) Andhra Pradesh
(b) Uttar Pradesh
(c) Kerala
(d) Gujarat

Q45. The density of population of India as per the Census of 1951 is _____.

(a) 117 per sq km
(b) 324 per sq km
(c) 103 per sq km
(d) 382 per sq km

Q46. 'The Constitution of free India must be framed, without outside interference by a constituent assembly elected on the basis of adult franchise'. Who made this statement?

(a) MN Roy
(b) Jawaharlal Nehru
(c) Sardar Patel

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(d) Mahatma Gandhi

Q47. Which states are involved in the joint venture of Chambal Project?

(a) Rajasthan and Haryana
(b) Rajasthan and Uttar Pradesh
(c) Uttar Pradesh and Madhya Pradesh
(d) Rajasthan and Madhya Pradesh

Q48. Who among the following Indian Music composers won a Grammy award in the year 2023?

(a) MM Keeravani
(b) Ricky Kej
(c) Aby Tom Cyriac
(d) AR Rahman

Q49. Match the columns.

	Name of Shifting Agriculture		Related State
i.	Jhuming	a)	Madhya Pradesh
ii.	Dahiya	b)	Andhra Pradesh
iii.	Penda	c)	North eastern region
iv.	Kumari	d)	Western Ghats

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

Q50. Val Barker Cup in boxing is given to most outstanding boxer in the Olympics Games but it was NOT awarded in the Olympics Games _____.

(a) 2016
(b) 2008
(c) 2012
(d) 2020

QUANTITATIVE APTITUDE

Q51. What is the approximate present value (in Rs.lakh) of an income of Rs.2.1 lakh to be received after 2 years of compounding if the rate of interest is 5%?

(a) 1.815
(b) 1.975
(c) 1.725
(d) 1.905

Q52. If $x^2 - 5\sqrt{5}x + 1 = 0$, and $x > 0$, what is the value of $(x^3 - 1/(x^3))$?

(a) 1331
(b) 1364
(c) 1296
(d) 1244

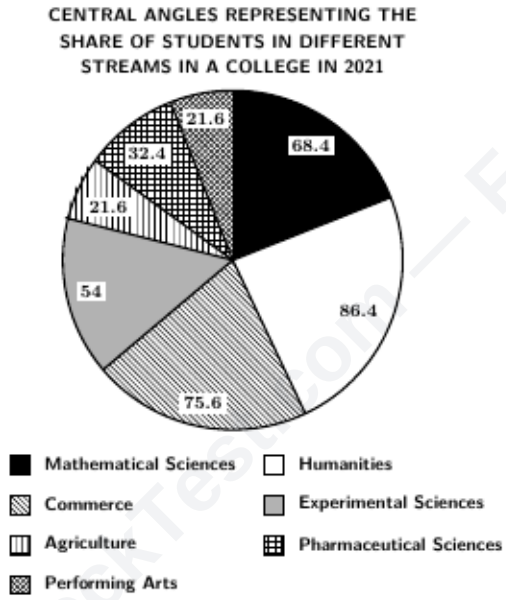
Q53. A shopkeeper sells a table at 25% discount on the marked price and earns a profit of 70%. If he sells the same table at 50% discount, then his new profit percentage will be:

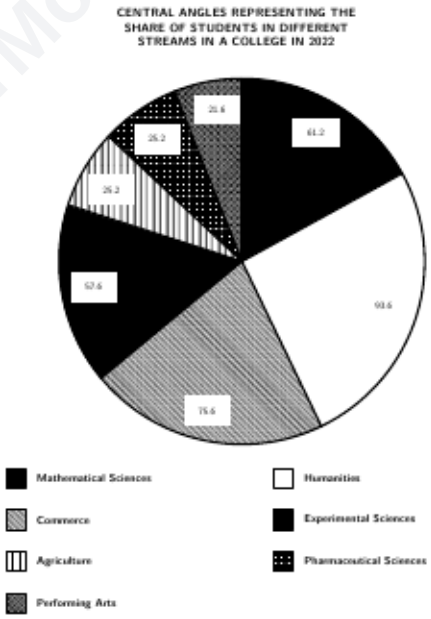
(a) 111/3%
(b) 121/2%

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(c) 131/3%
(d) 131/2%

Q54. The shares of students studying in different streams of a college in the years 2021 and 2022 are reflected in the two pie charts given below.





The total number of students in the college was 60000 in 2021, which rose to 75000 in 2022. What was the percentage change in the number of students opting for the mathematical sciences from 2021 to 2022? [Give your answer correct to the nearest integer value]

(a) 12%
(b) 11%
(c) 10%
(d) 13%

Q55. If the volume of a cube is 729 cm^3, then find the total surface area of the cube.

(a) 484 cm^2
(b) 482 cm^2
(c) 488 cm^2
(d) 486 cm^2

Q56. The following table gives the sales of shirts manufactured by companies C1, C2, C3 and C4 over five weeks. Study the

table and answer the question that follows.

Week	C1	C2	C3	C4
Week 1	190	226	184	202
Week 2	225	244	214	202
Week 3	240	175	235	275
Week 4	215	235	260	200
Week 5	205	210	265	245

Which company sold the most shirts in these five weeks?

(a) C1
(b) C4
(c) C2
(d) C3

Q57. A and B together can complete a piece of work in 15 days and B alone can complete it in 21 days. In how many days can A complete it alone?

(a) 411/2 days
(b) 521/2 days
(c) 311/2 days
(d) 571/2 days

Q58. The circumference of a circle is 132 cm. The area of circle is: Take π = 22/7

(a) 1380 cm^2
(b) 1322 cm^2
(c) 1086 cm^2
(d) 1386 cm^2

Q59. A bus travels for three hours at 60 km/h, four hours at 50 km/h and the next five hours at 50 km/h. Find its average speed.

(a) 52.5 km/h
(b) 52 km/h
(c) 46 km/h
(d) 50 km/h

Q60. In a camp of 70 boys, there are food provisions for 36 days. If 50 more boys join the camp, then how many days will the provisions last?

(a) 25 days
(b) 24 days
(c) 21 days
(d) 18 days

Q61. What is the remainder when 3^8 is divided by 7?

(a) 5
(b) 4
(c) 6
(d) 2

Q62. The area of a sector of a circle is 616 cm^2 with a central angle of 10°. The radius of the circle is _____. (use π = 22/7)

(a) 84 cm
(b) 21 cm

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(c) 48 cm
(d) 28 cm

Q63. If √a = 3b, then a/(b²) is equal to:
(a) 1/6
(b) 6
(c) 1/9
(d) 9

Q64. If 2 : 9 :: 4 : x, then the value of x is:
(a) 42
(b) 18
(c) 36
(d) 22

Q65. Simplify the given equation.
(cot³ A - 1)/(cot A - 1) = ?
(a) cosec²A - cotA
(b) cosec2A + cotA
(c) cot²A + cosecA
(d) cot2A - cosecA

Q66. Simplify the given expression. ((0.25)^4 + 2 × (0.25)² + 1 - (0.25)²)/((0.25)² + 0.25 + 1)
(a) 0.6755
(b) 0.9025
(c) 0.8125
(d) 0.7835

Q67. A trader sells two LED sets at the same price. There is a gain of 20% on one LED and 20% loss on the second LED. Which of the following statements is true?
(a) The trader makes a profit of 4%.
(b) The trader makes a profit of 2%.
(c) The trader makes no profit or no loss.
(d) The trader makes a loss of 4%.

Q68. If Tan θ + Sec θ = a, then what is Sec θ equal to:
(a) (a+1)/(2a²)
(b) (a-1)/(2a²)
(c) (a² - 1)/2a
(d) (a² + 1)/2a

Q69. In what ratio does a grocer mix tea at Rs. 26 per kg and Rs. 32 per kg so that by selling the mixture at Rs. 30 per kg they may gain 10% ?
(a) 7 : 26
(b) 16 : 7
(c) 26 : 7
(d) 7 : 16

Q70. The speed of a car is 63 km/h. What is the distance travelled by it in 10 seconds?
(a) 175 m
(b) 1.75 km
(c) 185 m
(d) 17.5 m

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Q71. Shyam purchased a packet of 16 pens and got 4 pens free with it. He marked the price 20% more than the CP. If he did not allow any discount and sold all the 20 pens at this price, then what was his profit percentage?

(a) 37 1/2 %
(b) 50%
(c) 36%
(d) 48%

Q72. If θ is an acute angle and cos θ = 11/17, what is the value of tan θ?

(a) 4√10/11
(b) 13/11
(c) 2√42/11
(d) 2√42/17

Q73. The table gives the number of students in each class and the percentage of students in the class who like Hockey, Tennis, Chess and Golf.

Class	Number of Students	Hockey	Tennis	Chess	Golf
A	260	70%	65%	70%	60%
B	180	90%	52%	85%	40%
C	240	90%	80%	60%	80%
D	60	80%	70%	50%	30%

How many students in all the given classes like Hockey?

(a) 596
(b) 608
(c) 740
(d) 614

Q74. ΔABC is similar to ΔPQR. If the ratio of the perimeter of ΔABC and perimeter of ΔPQR is 24 : 16 and PQ = 4.8 cm. then the length (in cm) of AB is:

(a) 8.6
(b) 7.2
(c) 4.6
(d) 2.8

Q75. Two triangles XYZ and UVW are congruent. If the area of ΔXYZ is 58 cm², then the area of ΔUVW will be:

(a) 58 cm²
(b) 116 cm²
(c) 29 cm²
(d) 15 cm²

GENERAL AWARENESS

Q76. Direction: Select the most appropriate ANTONYM of the underlined word in the given sentence.

It is a misconception that the more you learn, the more likely you are to succeed.

(a) Illusion
(b) Hallucination
(c) Fallacy
(d) Certainty

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Q77. Direction: Select the most appropriate synonym of the given word.

Colleague

(a) Co-worker
(b) Consult
(c) Distend
(d) Exempt

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

All the employees feel that continuing working there is perilous to their careers.

(a) Convenient
(b) Dangerous
(c) Helpful
(d) Suitable

Q79. Direction: Parts of the following sentence have been given as options. One of them may contain an error. Select the option that contains the error. If you don't find any error, mark 'No error' as your answer.

Nobody from the gathering of odd people could guess the accident occurring blast.

(a) the accident occurring blast
(b) Nobody from the gathering
(c) No error
(d) of odd people could guess

Q80. Direction: Select the most appropriate homonym in the context of the following sentence to fill in the blank.

The key was hanging on a _____ by the door.

(a) nail: to catch someone, especially when they are doing something wrong, or guilty
(b) nail: a small metal spike, driven into wood to join things together or to serve as a hook
(c) nail: a thin, hard area that covers the upper side of the end of each finger and each toe
(d) nail: to do something successfully

Q81. Direction: Select the INCORRECTLY spelt word.

(a) Obdurate
(b) Cryptic
(c) Surrugocy
(d) Drastic

Q82. Direction: Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

(P) and the impact of their
(Q) the authors' journey of self-discovery
(R) the memoir explores
(S) upbringing on their identity

(a) RQPS
(b) RQSP
(c) QPSR
(d) SPRQ

Q83. Direction: The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

I have read that /a Leaning Tower of Pisa is a / popular tourist attraction / in the world.

(a) I have read that
(b) a Leaning Tower of Pisa is a
(c) popular tourist attraction
(d) in the world

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Q84. Direction: Select the most appropriate meaning of the given idiom.

Devil's advocate

(a) One who takes an opposing position for the sake of argument
(b) One who presents very logical arguments
(c) One who is very precise and accurate
(d) One who never argues

Q85. Direction: Select the most appropriate ANTONYM of the underlined word in the following sentence.

The doctor assured the patient that the tumour was benign and could be easily removed

(a) Favourable
(b) Malignant
(c) Sterile
(d) Kind

Q86. Direction: Select the most appropriate option that expresses the given sentence in passive voice.

The director hired the new employee after the interview.

(a) The new employee will be hired by the director after the interview.
(b) The new employee was hired by the director after the interview.
(c) The new employee is being hired by the director after the interview.
(d) The new employee hired by the director after the interview.

Q87. Direction: Parts of a sentence are given below in jumbled order. Select the option that arranges the parts in the correct order to form a meaningful sentence.

A. That the only true individual

B. Is the holy man

C. It has frequently been claimed

D. Which the traditional society of India tolerates

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

Q88. Direction: Select the INCORRECTLY spelt word from the given sentence.

Drunkeness, riot and brawling were the order, there, every night.

(a) Riot
(b) Drunkeness
(c) Order
(d) Brawling

Q89. Direction: Select the most appropriate option that can substitute the underlined segment in the following sentence.

Can you please make sure that all the guest are gathered on the stage before the performance begins?

(a) guest is gathered on
(b) guests are gathered in
(c) guests are gathered by
(d) guests is gathered by

Q90. Direction: Select the most appropriate meaning of the given idiom.

Spill the beans

(a) Open the flow of the stopped water
(b) Liberate the controlled emotions
(c) Distribute food grains freely
(d) Disclose the secrets accidentally

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Q91. Direction: Select the most appropriate option that can be used as a one-word substitute for the underlined segment in the following sentence.

The king's coronation ceremony was a grand affair, with all the nobles and dignitaries dressed in their finest insignia of royalty.

(a) ornaments
(b) regalia
(c) regals
(d) spectres

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

A. The post-COVID period has caused many asymptomatic diseases.

B. Though it cannot be believed for sure; the change in social life may be a major cause.

C. These are people who suffered infection once or never at all.

D. Some propose that survival post infection has changed the mindset of people.

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

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

She was completely baffled by his strange behaviour.

(a) confused
(b) unfazed
(c) relieved
(d) angered

Q94. Direction: Select the option that expresses the given sentence in passive voice.

The speech of Dr. APJ Abdul Kalam influences young minds.

(a) Young minds get influenced by Dr. APJ Abdul Kalam
(b) Young minds were influenced by the speech of Dr. APJ Abdul Kalam.
(c) Young minds are influenced by the speech of Dr. APJ Abdul Kalam.
(d) The speech of Dr. APJ Adul Kalam is very influencing.

Q95. Direction: Select the option that can be used as a one-word substitute for the given group of words.

One who possesses outstanding technical ability in a particular art or field

(a) Virtuous
(b) Virtuoso
(c) Gourmand
(d) Amateur

Q96. 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.

Following in the footsteps of France, Italy has ____ (1) __ a new tax to be __ (2) __ on large tech companies, a move that is likely to put more strain on the country's relations with the USA. The Italian parliament has approved a 3% digital tax on some digital revenue of technology companies that make over $831 million in global revenue, including at least $6 million in Italy. The tax __ (3) __ similar to the one France implemented earlier this year, which has attracted __ (4) __ criticism from the USA. According to a report in The Epoch Times, dozens of countries are working on proposals to change corporate tax schemes to __ (5) ____ money from tech firms that have users across the world, such as Facebook and Google's parent company Alphabet.

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

(a) accepted
(b) declined
(c) approved

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(d) favoured

Q97. 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.

Following in the footsteps of France, Italy has ____ (1) __ a new tax to be __ (2) __ on large tech companies, a move that is likely to put more strain on the country's relations with the USA. The Italian parliament has approved a 3% digital tax on some digital revenue of technology companies that make over $831 million in global revenue, including at least $6 million in Italy. The tax __ (3) __ similar to the one France implemented earlier this year, which has attracted __ (4) __ criticism from the USA. According to a report in The Epoch Times, dozens of countries are working on proposals to change corporate tax schemes to __ (5) ____ money from tech firms that have users across the world, such as Facebook and Google's parent company Alphabet.

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

(a) crossed
(b) levied
(c) placed
(d) exercised

Q98. 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.

Following in the footsteps of France, Italy has ____ (1) __ a new tax to be __ (2) __ on large tech companies, a move that is likely to put more strain on the country's relations with the USA. The Italian parliament has approved a 3% digital tax on some digital revenue of technology companies that make over $831 million in global revenue, including at least $6 million in Italy. The tax __ (3) __ similar to the one France implemented earlier this year, which has attracted __ (4) __ criticism from the USA. According to a report in The Epoch Times, dozens of countries are working on proposals to change corporate tax schemes to __ (5) ____ money from tech firms that have users across the world, such as Facebook and Google's parent company Alphabet.

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

(a) are
(b) is
(c) were
(d) have

Q99. 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.

Following in the footsteps of France, Italy has ____ (1) __ a new tax to be __ (2) __ on large tech companies, a move that is likely to put more strain on the country's relations with the USA. The Italian parliament has approved a 3% digital tax on some digital revenue of technology companies that make over $831 million in global revenue, including at least $6 million in Italy. The tax __ (3) __ similar to the one France implemented earlier this year, which has attracted __ (4) __ criticism from the USA. According to a report in The Epoch Times, dozens of countries are working on proposals to change corporate tax schemes to __ (5) ____ money from tech firms that have users across the world, such as Facebook and Google's parent company Alphabet.

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

(a) severe
(b) mild
(c) critical
(d) firm

Q100. 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.

Following in the footsteps of France, Italy has ____ (1) __ a new tax to be __ (2) __ on large tech companies, a move that is likely to put more strain on the country's relations with the USA. The Italian parliament has approved a 3% digital tax on some digital revenue of technology companies that make over $831 million in global revenue, including at least $6 million in Italy. The tax __ (3) __ similar to the one France implemented earlier this year, which has attracted __ (4) __ criticism from the USA. According to a report in The Epoch Times, dozens of countries are working on proposals to change corporate tax schemes to __ (5) ____ money from tech firms that have users across the world, such as Facebook and Google's parent company Alphabet.

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

(a) take
(b) remove
(c) seize
(d) capture

ANSWER KEY

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

SOLUTIONS

Q1. Answer: (d) [figure]

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

Hence, 'option 4' is the correct answer.

Q2. Answer: (a) Mother's mother

A is				
Symbol	•	•	×	÷
Meaning	mother	brother	wife	father
to B				

A - B × C ÷ D + E → A is brother of B, B is wife of C, C is father of D, D is brother of E.

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

Clearly, B is grandmother i.e., Mother's mother of E.

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

Q3. Answer: (b) 346

The logic followed here is:

Difference between the numbers is prime number series from 71 to 83.

Hence, '346' is the correct answer.

Q4. Answer: (c) 40

Given equation: 5 - 9 × 8 ÷ 12 + 4 = ?

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

5 × 9 - 8 + 12 ÷ 4 = ?

By BODMAS rule:

=> 5 × 9 - 8 + 12 ÷ 4 = ?

=> 5 × 9 - 8 + 3 = ?

=> 45 - 8 + 3 = ?

=> 48 - 8 = ?

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=> 40 = ?

Hence, '40' is the correct answer.

Q5. Answer: (c) 423

The logic followed here is:

Hence, '423' is the correct answer.

Q6. Answer: (b) 53

The logic followed here is:

Hence, '53' is the correct answer.

Q7. Answer: (b) EHHHUZM

The logic followed here is:

• • Similarly,

• Hence, 'EHHHUZM' is the correct answer.

Q8. Answer: (b) NSUA

The logic followed here is:

Hence, 'NSUA' is the correct answer.

Q9. Answer: (c) GB 23

The logic followed here is:

Hence, 'GB 23' is the correct answer.

Q10. Answer: (d) fi

The code for each word is shown below:

Clearly, 'come' is written as 'fi' in the given language.

Hence, 'fi' is the correct answer.

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

The least possible Venn diagram is:

Conclusion (I): Some tulips are orchids → Does not follow (As, there is no definite relation between tulips are orchids. Hence, false)

Conclusion (II): No orchid is a rose → Follows (Since all orchids are lilies and no lily is a rose, it is definite that no orchid is a rose)

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

Q12. Answer: (d) ZAB

The logic followed here is:

1. RSU → R + 1 = S; S + 2 = U

2. XYA → X + 1 = Y; Y + 2 = A

3. DEG → D + 1 = E; E + 2 = G

4. ZAB → Z + 1 = A; A + 2 = C ≠ B

Hence, 'ZAB' is the correct answer.

Q13. Answer: (d) ZF 50

The logic followed here is:

Hence, 'ZF 50' is the correct answer.

Q14. Answer: (b) 19

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

Thus, there are total 19 triangles in the given figure.

Hence, "19" is the correct answer.

Q15. Answer: (d) [figure]

According to given figure:

The figure will appear when it is opened as follows:

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Hence, "Option - (4)" is the correct answer.

Q16. Answer: (b) Sunday

Given : 15th January 1996 was a Monday

Explanation :

The number of odd days from 15th January 1996 to 30th March 1997 :

Years	Period	Calculations	Odd days
1996 (Leap year)	15th January 1996 - 31 December 1996	366 days - 15 days = 351 days	351 ÷ 7 = 1
1997 (ordinary year)	1st January 1997 - 30th March 1997	31 days + 28 days + 30 days = 89 days	89 ÷ 7 = 5
Total odd days	6		

Therefore The number of odd days from 15th January 1996 to 30th March 1997 => 6

=>So, Six odd day get added to Monday because day asked in future.

Therefore Sunday was the day of the week on the 30th March 1997.

Hence, "Sunday" is the correct answer.

Additional Information

• Number of odd days for the days of week.

Days	Odd days
Sunday	0
Monday	1
Tuesday	2
Wednesday	3
Thursday	4
Friday	5
Saturday	6

• Number of odd days for the days of months.

Months having number of days	Odd days
28 days	0
29 days	1
30 days	2
31 days	3

• Number of odd days for the years.

Year	Odd days
Ordinary year	1
Leap year	2

Q17. Answer: (a) (29, 253)

Logic : (1st number × 9) - 8 = 2nd number

Given :

• (42, 370)

(42 × 9) - 8 = 370

378 - 8 = 370

370 = 370 (LHS = RHS)

• (57, 505)

(57 × 9) - 8 = 505
513 - 8 = 505
505 = 505 (LHS = RHS)
So,
• Option - (1) : (29, 253)
(29 × 9) - 8 = 253
261 - 8 = 253
253 = 253 (LHS = RHS)
• Option - (2) : (31, 288)
(31 × 9) - 8 = 288
279 - 10 = 288
279 ≠ 288 (LHS ≠ RHS)
• Option - (3) : (49, 449)
(49 × 9) - 8 = 449
441 - 8 = 449
433 ≠ 449 (LHS ≠ RHS)
• Option - (4) : (84, 747)
(84 × 9) - 8 = 747
756 - 8 = 747
748 ≠ 747 (LHS ≠ RHS)
Hence, "Option - (1)" is the correct answer.

Q18. Answer: (b) [figure]

The figure that will replace the question mark (?) in the following figure series is shown below:
1) For '
' element → Alternately replacing with '
' element.
2) For '
' element → → Alternately replacing with '
' element.
Final series is
Hence, ‘option - (2)’ is the correct answer.

Q19. Answer: (c) 43

Given : 71 - 11 × 484 ÷ 88 + 30 = ?
According to the question, after replacing the signs :
• ‘+’ and ‘-’ are interchanged
• ‘×’ and ‘÷’ are interchanged
So,
71 + 11 ÷ 484 × 88 - 30 = ?
71 + 0.022 × 88 - 30 = ?
71 + 2 - 30 = ?
73 - 30 = ?
Hence, "43" is the correct answer.

Q20. Answer: (c) R is T's mother's brother.

Given :

A is				
Symbol	•	•	×	÷
Meaning	Wife	Brother	Father	Mother
to B				

Statement given : P × Q + R - S ÷ T
So,
• P × Q → P is the father of Q.
• Q + R → Q is the wife of R.
• R - S → R is the brother of S.
• S ÷ T → S is the mother of T.

Thus, according to the final family tree :-
1. Option - (1) : T is the son of S => As T can be either son or daughter of S, therefore this statement is false.
2. Option - (2) : Q is the sister of S => Q is the sister-in-law of S, therefore this statement is false.
3. Option - (3) : R is T's mother's brother => R is maternal uncle of T, therefore this statement is true.
4. Option - (4) : P is the father of R => P is the father-in-law of R, therefore this statement is false.
Here, "R is T's mother's brother" statement is true.
Hence, "Option - (3)" is the correct answer.

Q21. Answer: (b) 2:10

Logic : [1st number × (1st number + 4)] = 2nd number
So,
• Option - (1) : 5:45
5 × (5 + 4) = 45
5 × 9 = 45
45 = 45 (LHS = RHS)
• Option - (2) : 2:10
2 × (2 + 4) = 10
2 × 6 = 10
12 ≠ 10 (LHS ≠ RHS)
• Option - (3) : 3:21
3 × (3 + 4) = 21
3 × 7 = 21
21 = 21 (LHS = RHS)
• Option - (4) : 4:32
4 × (4 + 4) = 32
4 × 8 = 32
32 = 32 (LHS = RHS)
Hence, "Option - (2)" is the correct answer.

Q22. Answer: (a) FKOR

The logic followed here is :- (2) is added to the position value according to English alphabetic series.
So,
• 'JOSV' is written as 'LQUX'

And,
• 'EJNQ' is written as 'GLPS'

Similarly,
• 'DIMP' is written as

Hence, "FKOR" is the correct answer.

Q23. Answer: (d) 8

Given : 72 - 33 × 605 ÷ 110 + 70 = ?
According to the question, after replacing the signs :
• '+' and '-' are interchanged

• '×' and '÷' are interchanged

So,

72 + 33 ÷ 605 × 110 - 70 = ?

72 + 0.054 × 110 - 70 = ?

72 + 6 - 70 = ?

78 - 70 = ?

8 = ?

Hence, "8" is the correct answer.

Q24. Answer: (a) Neither conclusion I nor II follows.

The least possible Venn diagram for the given statement is:

Conclusions:

I. Some directors are writers → Does not Follow (As, all directors are actors and some actors are writers. So, it is possible but not definitely true.)

II. No producer is a director → Does not Follow (As, all directors are actors, some actors are writers and no writer is a producer. So, it is possible but not definitely true.)

So, Neither conclusion I nor II follows.

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

Q25. Answer: (d) Tuesday

Given : 19 December 1992 was Saturday

Explanation :

The number of odd days from 19 December 1992 to 22 December 2009 :

Year	Period	Calculation	Odd days
1992	19 December 1992 - 31 December 1992	12 days	12 ÷ 7 = 5
1993 - 2008	Full years (12 Ordinary years + 4 Leap years)	(1 odd day × 12 Ordinary years) + (2 odd days × 4 Leap years) = 20 odd days	20 ÷ 7 = 6
2009	1st January 2009 - 22 December 2009	365 days - 9 days = 356 days	356 ÷ 7 = 6
Total odd days	(17 ÷ 7) = 3		

Therefore The number of odd days from 19 December 1992 to 22 December 2009 => 3

=>So, Three odd day get added to Saturday because day asked in future.

Therefore Tuesday was the day of the week on the 22 December 2009.

Hence, "Tuesday" is the correct answer.

Additional Information

• Number of odd days for the days of week.

Days	Odd days
Sunday	0
Monday	1
Tuesday	2
Wednesday	3
Thursday	4
Friday	5
Saturday	6

• Number of odd days for the days of months.

Months having number of days	Odd days

28 days	0
29 days	1
30 days	2
31 days	3

• Number of odd days for the years.

Years	Odd days
Ordinary year	1
Leap year	2

Q26. Answer: (b) French

The correct answer is French.

Key Points

• Joseph Francois Dupleix:-

• He was the Governor General of the French East India Company in India.

• He served as the Governor General from 1742 to 1754.

• Dupleix was known for his ambitious plans to expand French influence in India and played a key role in the Carnatic Wars.

• Under his leadership, the French East India Company established a strong presence in India and competed with the British East India Company for dominance.

Q27. Answer: (a) Triple jump indoor

The correct answer is Triple jump indoor.

Key Points

• Praveen Chithravel:-

• He is associated with the sport of Triple Jump Indoor.

• He missed out on a medal at the Commonwealth Games 2022 but made a strong comeback to win silver at the Asian Championships with a national indoor record.

• Praveen Chithravel's silver medal at the Asian Championships with a national indoor record is a significant achievement in the sport of Triple Jump Indoor.

• Triple Jump Indoor:-

• It is a track and field event in which athletes jump as far as possible with a hop, step, and jump technique.

Additional Information

• Shot Put Indoor:-

• It is a track and field event in which athletes throw a heavy spherical object as far as possible.

• Long Jump Indoor:-

• It is a track and field event in which athletes jump as far as possible from a running start.

• 800m Indoor:-

• It is a middle-distance running event in which athletes run two laps of a 400m track indoors.

Q28. Answer: (c) consumption goods and capital goods

The correct answer is consumption goods and capital goods.

Key Points

• Final goods:-

• These are those goods that are ready for consumption or use by the end consumer.

• Consumption goods:-

• These are those goods that are used for immediate satisfaction of human needs and wants, such as food, clothing, and electronics.

• Capital goods:-

• These are those goods that are used to produce other goods and services, such as machinery and equipment.

Additional Information

• Raw materials:-

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• These are those materials that are used to produce goods, while semi-finished goods are those goods that are partially completed but still require further processing to become final goods.

• Single goods:-

• These are those goods that are not composed of multiple parts or components, while composite goods are those goods that are composed of multiple parts or components.

Q29. Answer: (b) Mohiniyattam

The correct answer is Mohiniyattam.

Key Points

• Neena Prasad:-

• She was awarded the Sangeet Natak Akademi Award 2021 for her contribution to Mohiniyattam, a classical dance form from Kerala.

• Neena Prasad is a renowned Mohiniyattam dancer and choreographer, who has been actively promoting and preserving the art form for several years.

• Mohiniyattam:-

• It is known for its graceful movements, subtle expressions, and intricate hand gestures.

Additional Information

• Bharatanatyam:-

• It is a classical dance form from Tamil Nadu, characterized by its fast footwork, complex rhythms, and dramatic expressions.

• Kuchipudi:-

• It is a classical dance form from Andhra Pradesh, known for its dynamic movements, intricate footwork, and dramatic storytelling.

• Odissi:-

• It is a classical dance form from Odisha, characterized by its fluid movements, curved postures, and intricate hand gestures.

Q30. Answer: (c) Mizoram

The correct answer is Mizoram.

Key Points

• Pawl Kut:-

• It is a thanksgiving festival celebrated by the Mizos, an ethnic group belonging to the state of Mizoram in India.

• It is usually celebrated in the month of February and is a harvest festival that marks the end of the agricultural year.

• The festival is characterized by traditional dances, music, and feasting, where people gather to express gratitude for a bountiful harvest and seek blessings for the coming year.

• The festival also has religious significance as it involves the offering of prayers to the deity of harvest and fertility, called Pathian.

Q31. Answer: (b) Indian federation was the result of an agreement by sovereign units to join it.

The correct answer is Indian federation was the result of an agreement by sovereign units to join it.

Key Points

• 'Union of States':-

• It is mentioned in the Preamble of the Constitution of India, which describes India as a 'sovereign socialist secular democratic republic' that is a 'Union of States'.

• The Union of States structure has several implications for the governance of India:

• Division of power: The Constitution clearly divides power between the central government and the states. The central government has exclusive power over certain subjects, such as defense, foreign affairs, and currency. The states have exclusive power over other subjects, such as public order, education, and health. There is also a concurrent list of subjects, where both the central government and the states have power to legislate.

• Cooperative federalism: The relationship between the central government and the states is not adversarial but rather cooperative. Both levels of government need to work together to achieve common goals, such as economic development and social welfare.

• Unity in diversity: India's vast diversity is one of its greatest strengths. The Union of States structure allows for a balance between national unity and regional diversity. Each state has its own unique culture, language, and traditions, but they are all bound together by a common Indian identity.

Q32. Answer: (d) Hermann Kolbe

The correct answer is Hermann Kolbe.

Key Points

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• Hermann Kolbe:-

• He is a German chemist who used the technique of preparing hydrocarbons by electrolysis of solutions of salts of fatty acids. He discovered this method in 1845.

Additional Information

• Cecilia Payne:-

• She was an astronomer who made groundbreaking discoveries about the composition of stars.

• She determined that stars are mostly composed of hydrogen and helium, which was a revolutionary idea at the time.

• Marcellin Berthelot:-

• He was a French chemist who made significant contributions to the fields of thermochemistry and organic chemistry.

• He is known for his work on the synthesis of organic compounds and the study of chemical reactions.

• Giulio Natta:-

• He was an Italian chemist who won the Nobel Prize in Chemistry in 1963 for his work on the stereospecific polymerization of propylene.

• This work led to the development of new types of plastics and materials.

Q33. Answer: (b) 2nd Five Year Plan

The correct answer is 2nd Five Year Plan.

Key Points

• Mahalanobis Plan:-

• It was implemented during the 2nd Five Year Plan from 1956-1961.

• It was named after the Indian statistician Prasanta Chandra Mahalanobis who played a key role in its formulation.

• The plan focused on the development of heavy industries and infrastructure, with an emphasis on import substitution.

• The Mahalanobis Plan was criticized for its reliance on centralized planning and neglect of agriculture.

Additional Information

• 1st Five Year Plan (1951-1956):-

• It focused on agriculture, with a goal of achieving food self-sufficiency.

• 3rd Five Year Plan (1961-1966):-

• It was also known as the "Gadgil-Yojana" after its chief architect, V.K.R.V. Rao.

• 4th Five Year Plan (1969-1974):-

• It was the first plan to be formulated after the devaluation of the Indian rupee in 1966, which had a significant impact on the country's economy.

Q34. Answer: (d) Surendranath Banerjee

The correct answer is Surendranath Banerjee.

Key Points

• Indian Association:-

• It was founded in 1876 in Calcutta (now Kolkata) by Surendranath Banerjee and Anand Mohan Bose.

• Indian Association was a political organization that aimed to promote the interests of the Indian community and to work towards the attainment of political rights and freedom from British rule.Indian Association played a significant role in the Indian National Movement and was one of the first organizations to demand self-government and representation for Indians in the British colonial administration.

• Surendranath Banerjee:-

• He was a prominent Indian nationalist leader and a member of the Indian National Congress.

• He was also a journalist, lawyer, and a member of the Bengal Legislative Council.

Additional Information

• Dada Bhai Naoroji:-

• He was a prominent Indian nationalist leader and a member of the Indian National Congress.

• He was also a scholar, social reformer, and a member of the British Parliament.

• He is known for his theory of the "drain of wealth" from India to Britain and his advocacy for Indian self-rule.

• Gopal Krishna Gokhale:_

• He was a prominent Indian nationalist leader and a member of the Indian National Congress.

• He was also a social reformer, educator, and a member of the Bombay Legislative Council.

• He is known for his advocacy for constitutional reforms, education, and social justice.

• Pheroz Shah Mehta:-

• He was a prominent Indian nationalist leader and a member of the Indian National Congress.

• He was also a lawyer, journalist, and a member of the Bombay Legislative Council.

• He is known for his advocacy for civil liberties, education, and social reform.

Q35. Answer: (c) Only iii is correct

The correct answer is Only iii is correct.

Key Points

• The value of money is determined by the demand and supply of money in the economy.

• The price level is determined by the demand and supply of goods and services in the economy.

• Therefore, the value of money and the price level have an indirect relationship.

• When the price level increases, the value of money decreases and vice versa.

Q36. Answer: (c) Public affairs

The correct answer is Public affairs.

Key Points

• Padma Vibhushan:-

• Padma Vibhushan is the second-highest civilian award in India, after Bharat Ratna.

• It is awarded for exceptional and distinguished service in any field including art, literature, science and engineering, sports, medicine, social work, public affairs, civil service, trade and industry.

• Mulayam Singh Yadav received the Padma Vibhushan award in 2023 in the category of Public Affairs.

• Mulayam Singh Yadav:-

• He was a prominent Indian politician who served as the Chief Minister of Uttar Pradesh three times and was also the founder of the Samajwadi Party.

Q37. Answer: (a) Only A

The correct answer is Only A.

Key Points

• Increase repo rate:

• This is the rate at which commercial banks borrow money from the Reserve Bank.

• By increasing the repo rate, the Reserve Bank makes it more expensive for banks to borrow money, which reduces the amount of money in circulation and helps to control inflation.

Q38. Answer: (b) Jaychand and Muhammad Ghori

The correct answer is Jaychand and Muhammad Ghori.

Key Points

• Battle of Chandawar:-

• It took place in 1194 AD.

• The battle was fought between the Hindu king Jaychand and the Muslim invader Muhammad Ghori.

• It was a significant battle in the history of India as it marked the end of the Chauhan dynasty and the beginning of the Muslim rule in Northern India.

Additional Information

• Mahmood Gaznavi:-

• He was a ruler from the 10th century and had no involvement in the Battle of Chandawar.

Q39. Answer: (c) Vitamin D

The correct answer is Vitamin D.

Key Points

• Vitamin D:-

• It is the vitamin that is synthesized in the presence of sunlight in our body.

• When the skin is exposed to sunlight, a type of cholesterol present in the skin is converted into vitamin D.

• Vitamin D is essential for bone health as it helps the body absorb calcium and phosphorus.

• Deficiency of vitamin D can lead to rickets in children and osteoporosis in adults.

Additional Information

• Vitamin B:
• There are several types of vitamin B such as B1, B2, B6, B12, etc.
• These vitamins are essential for maintaining good health and well-being.
• They play a crucial role in the metabolism of energy, red blood cell production, and brain function.
• Vitamin C:
• Also known as ascorbic acid, vitamin C is an antioxidant that helps protect cells from damage caused by free radicals.
• It is also important for the growth and repair of tissues in the body.
• Vitamin A:
• This vitamin is important for maintaining good vision, skin health, and immune function.
• It is found in animal products such as liver, fish, and eggs, as well as in some plant-based foods like carrots and sweet potatoes.

Q40. Answer: (a) Koneru Humpy

The correct answer is Koneru Humpy.

Key Points

• Koneru Humpy:-
• She won the India's first ever silver medal at FIDE World Rapid and Blitz Championship 2022.
• She is a renowned Indian chess grandmaster who has won several accolades and titles in her career.

Additional Information

• Harika Dronavalli:-
• She is another Indian chess grandmaster who has won several international tournaments and represented India in the Chess Olympiad.
• Bhakti Kulkarni:-
• She is an Indian chess player who has won several national and international tournaments and is a former National Women's Premier Chess Champion.
• Tania Sachdev:-
• She is an Indian chess player who has won several international tournaments and represented India in the Chess Olympiad.
• FIDE World Rapid and Blitz Championship:-
• It is an international chess tournament organized by the World Chess Federation (FIDE) where players compete in rapid and blitz chess games.

Q41. Answer: (b) intervention to expand or reduce the demand

The correct answer is intervention to expand or reduce the demand.

Key Points

• Stabilisation function:-
• It is aimed at maintaining economic stability by adjusting the level of aggregate demand in the economy.
• The stabilization function of the government budget is a macroeconomic concept that deals with the management of the overall level of economic activity in the economy.

Additional Information

• Fiscal policy tools:-
• These are used by the government to influence the level of aggregate demand in the economy. Expansionary fiscal policy involves increasing government spending, reducing taxes, and increasing borrowing to stimulate economic growth. In contrast, contractionary fiscal policy involves reducing government spending, increasing taxes, and reducing borrowing to slow down economic growth.
• Allocation of resources:-
• It is an important function of the government, which involves the distribution of resources among different sectors of the economy to achieve economic efficiency and equity.
• Production of public goods:-
• It is another important function of the government, which involves the provision of goods and services that are not provided by the private sector, such as national defense, public health, and education.
• Distribution of income in society:-
• It is an important issue that involves the fair distribution of income among different groups in the economy. The government can use taxation and social welfare programs to achieve a fair distribution of income.

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Q42. Answer: (a) The Satpura Range is in the South of the Plateau.

The correct answer is The Satpura Range is in the South of the Plateau.

Key Points

• Deccan Plateau:-

• It is a large plateau in southern India, covering most of the southern part of the country.

• It is bordered by the Eastern Ghats to the east, the Western Ghats to the west, the Satpura Range to the north, and the Nilgiri Hills to the south.

• The Deccan Plateau is known for its rich cultural and historical heritage, with several ancient kingdoms and empires having ruled over the region.

Additional Information

• Eastern Ghats:-

• These are a range of mountains that run parallel to the east coast of India, and are known for their scenic beauty and biodiversity.

• Western Ghats:-

• These are a UNESCO World Heritage Site and are known for their unique and diverse ecosystems, including rainforests, grasslands, and wetlands.

• Vindhya Range:-

• This is a range of hills and mountains that run parallel to the northern edge of the Deccan Plateau and are known for their mineral wealth and scenic beauty.

Q43. Answer: (a) Phthalaldehyde

The correct answer is Phthalaldehyde.

Key Points

• Phthalaldehyde:-

• It is the dialdehyde referred to in the question, which has two formyl groups attached to adjacent carbon centers on a benzene ring.

• It forms fluorescent conjugation products with primary amines, making it useful in various analytical and diagnostic applications.

Additional Information

• Acetaldehyde:-

• It is a simple aldehyde with a characteristic pungent odor, commonly used in the production of chemicals and plastics.

• Valeraldehyde:-

• It is a five-carbon aldehyde with a fruity odor, used in the production of fragrances and flavors.

• Isobutyraldehyde:-

• It is a four-carbon aldehyde with a pungent odor, used in the production of chemicals and solvents.

Q44. Answer: (c) Kerala

The correct answer is Kerala.

Key Points

• Chavittukali:-

• It is a traditional folk dance form that originated in the state of Kerala, India.

• It is believed to have been introduced by the Portuguese during their colonial rule in the region.

• The dance is characterized by its use of distinct footwear called "chavittu" that produces a rhythmic sound when struck against the ground.

• Chavittukali is typically performed during Christian festivals and celebrations in Kerala.

Q45. Answer: (a) 117 per sq km

The correct answer is 117 per sq km.

Key Points

• Census 1951:-

• There were approximately 117 people living in every square kilometer of land in India in 1951.

• The density of population has increased significantly since then, with the latest Census of 2011 reporting a density of 382 per sq km.

Additional Information

• Density of population:-

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• It refers to the number of people living in a particular area, usually measured as the number of people per square kilometer of land.

Q46. Answer: (b) Jawaharlal Nehru

The correct answer is Jawaharlal Nehru.

Key Points

• Jawaharlal Nehru:-

• He made the statement that the Constitution of free India must be framed without outside interference by a constituent assembly elected on the basis of adult franchise.

• This statement was made in the context of India's struggle for independence from British colonial rule and the need to establish a democratic and representative government.

Additional Information

• MN Roy:-

• He was a political philosopher and activist who was associated with the Communist Party of India and advocated for socialist principles.

• Sardar Patel:-

• He was a prominent leader in the Indian independence movement and played a key role in the integration of princely states into the newly independent India.

• Mahatma Gandhi:-

• He was a spiritual and political leader who was instrumental in India's nonviolent struggle for independence and advocated for principles of truth, nonviolence, and self-reliance.

Q47. Answer: (d) Rajasthan and Madhya Pradesh

The correct answer is Rajasthan and Madhya Pradesh.

Key Points

• Chambal Project:-

• The joint venture of Chambal Project involves the states of Rajasthan and Madhya Pradesh.

• The Chambal River flows through these two states, and the project aims to harness its water resources for various purposes such as irrigation, power generation, and drinking water supply.

• Rajasthan and Madhya Pradesh have equal shares in the project, with each state contributing towards the construction and maintenance of the infrastructure.

• The project has been successful in achieving its objectives, and has benefited the farmers and residents of the region.

Q48. Answer: (b) Ricky Kej

The correct answer is Ricky Kej.

Key Points

• Ricky Kej:-

• He is an Indian music composer who won the Grammy Award for Best New Age Album in the year 2015 for his album "Winds of Samsara".

Additional Information

• MM Keeravani:-

• He is a popular Indian music composer who has won several awards for his work in Telugu cinema.

• He is known for composing music for films like Baahubali and Magadheera.

• Aby Tom Cyriac:-

• He is a relatively unknown music composer from Kerala who has composed music for a few Malayalam films.

• AR Rahman:-

• He is a legendary Indian music composer who has won several awards including Oscars, Grammys and BAFTAs.

• He is known for his work in films like Slumdog Millionaire, Roja and Dil Se.

Q49. Answer: (d) i - c, ii - a, iii - b, iv - d

The correct answer is "i - c, ii - a, iii - b, iv - d".

Key Points

• Jhuming:-

• It is a type of shifting agriculture practiced in the North Eastern region of India.

• Dahiya:-

• It is a type of shifting agriculture practiced in Madhya Pradesh.

• Penda:-

• It is a type of shifting agriculture practiced in Andhra Pradesh.

• Kumari:-

• It is a type of shifting agriculture practiced in the Western Ghats.

Additional Information

• Shifting agriculture:-

• It is a traditional method of farming where farmers move from one place to another after a few years to allow the land to regenerate.

Q50. Answer: (d) 2020

The correct answer is 2020.

Key Points

• Val Barker Cup:-

• It is a prestigious award given to the most outstanding boxer in the Olympics Games.

• However, the cup was not awarded in the Olympics Games of 2020.

• The cup was awarded in the previous three Olympics Games of 2016, 2012, and 2008.

• The decision to not award the cup in 2020 might have been due to the COVID-19 pandemic and the changes in the schedule and format of the games.

• The Val Barker Cup is named after a British sports journalist who covered boxing in the early 1900s and was known for his fair and unbiased reporting.

Q51. Answer: (d) 1.905

Given

Amount = 2.10 lakh

Rate = 5%

Formula used

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

Calculation

=> $2.1 = P(1 + 5/100)^2$

=> $2.1 = P \times 21/20 \times 21/20$

=> $P = 2.1 \times 400/441$

=> P = 1.905 lakh

The present income would be 1.905 lakh.

Q52. Answer: (b) 1364

Given

$x^2 - 5\sqrt{}\ 5x + 1 = 0$

Formula used

$(a - b)^2 = (a + b)^2 - 4ab$

$(a - b)^3 = a^3 - b^3 - 3ab(a - b)$

Calculation

If we simplify the given equation,x2 - 5√ 5x + 1 = 0, by dividing it by x.

=> x + 1/x = 5√ 5

Applying the above-mentioned formula:

=> (x - 1/x)2 = (x + 1/x)2 - 4x × 1/x

=> (x - 1/x)2 = 125 - 4

=> (x - 1/x)2 = 121

=> x - 1/x = 11

=> $x3 - 1/x^3 = (x - 1/x)^3 + 3x \times 1/x(x + 1/x)$

=> x3 - 1/x3 = (11)3 + 3(11)

=> x3 - 1/x3 = 1331 + 33

=> x3 - 1/x3 = 1364

The answer is 1364.

Q53. Answer: (c) 131/3%

Given

Discount = 25%

Profit = 70%

New Discount = 50%

Formula used

Profit% = (Profit/Cost price) × 100

Discount % = (Discount /Mark price) × 100

Calculation

Let the Cost price of the table be 100a

Since he gains a profit of 70%, the selling price = 100a + (70/100) x 100a = 170a

M.P = 170a x 100/75

=> 170a x 4/3 = 680a/3

Now, if he sells the table at a 50% discount

=> New selling price will be = 680a/3 x 1/2

=> New selling price = 340a/3

His new profit percentage will be = (340a/3 - 100a)100a x 100

=> 40/300 x 100

=> 40/3 or 13(1/3)%

The answer is 13(1/3)%.

Q54. Answer: (a) 12%

Given

The total number of students in the college in 2021 = 60000

The total number of students in the college in 2022 = 75000

Concept

The degree-to-percentage conversion, multiply by 5/18

Calculation

The number of students opting for the mathematical sciences from 2021 = 68.4 × 5/18

=> 19% of 60000

= 11400

The number of students opting for the mathematical sciences from 2022 = 61.2 × 5/18

=> 17% of 75000

= 12750

The percentage change = (12750 - 11400)/11400 × 100

= 12%

The answer is 12%.

Q55. Answer: (d) 486 cm²

Given:

Volume of cube = 729 cm³

Formula:

The total surface area of the cube = 6a²

Calculation:

Let the side of the cube be A, then

A³ = 729

=> A = cbrt729

=> A = cbrt(9 × 9 × 9)

=> A = 9 cm

Therefore The total surface area of the cube

=> 6a²

=>6 × 9 × 9

=> 486 cm²

The answer is 486 cm2

Q56. Answer: (d) C3

Calculation

The sales of shirts manufactured by companies C1 = 190 + 225 + 240 + 215 + 205 = 1075

The sales of shirts manufactured by companies C2 = 226 + 244 + 235 + 175 + 210 = 1090

The sales of shirts manufactured by companies C3 = 184 + 214 + 235 + 260 + 265 = 1158

The sales of shirts manufactured by companies C4 = 202 + 202 + 275 + 200 + 245 = 1124

Therefore The Company C3 sold the most shirts in these five weeks.

Q57. Answer: (b) 521/2 days

Given

A and B together can complete work = 15 days

B can complete work = 21 days

Formula Used

Work = time × efficiency

Calculation

Take LCM of (15, 21) = 105

Let the total work be 105

Efficiency of A and B = 105/15 = 7 ----(1)

Efficiency of B = 105/21 = 5 ----(2)

From (1) and (2)

=> A + B - B = 2

By using (3), efficiency of A =2,

A alone can complete the work in days = 105/2 = 52(1/2) days

Therefore A alone can complete the work in days 52(1/2) days.

Q58. Answer: (d) 1386 cm²

Given:

The circumference of a circle = 132 cm

Formula used:

Circumference(C) of a circle = 2πr

Area of a circle = πr²

Where, r = radius

Calculation:

According to the question,

C = 2 × 22/7 × r

=> 132 = 44r/7

r = 21 cm

Now,

Area of a circle = πr2

=> 22/7 × 21 × 21 = 1386 cm²

Therefore The area of circle is 1386 cm2.

Q59. Answer: (a) 52.5 km/h

Given:

A bus travels 3 hours at a speed of = 60 km/h

A bus travels 4 hours at a speed of = 50 km/h

A bus travels 5 hours to cover the distance = 50 km/hr

Concept:

Average speed = Total distance/ Total time

Calculation:

Total distance covered by bus in 3 hrs at a speed of 60 km/h = (60 × 3) = 180 km

Total distance covered by bus in 4 hrs at a speed of 50 km/h = (4 × 50) = 200 km

Total distance covered by bus in 5 hrs = (5 × 50) = 250km

Total distance covered = (180 + 200 + 250) km = 630 km

Total time taken = (3 + 4 + 5) hours = 12 hours

Average speed = 630/12 = 52.5 km/h

Therefore The average speed for the whole journey is 52.5 km/hr

Q60. Answer: (c) 21 days

Given:

There is a provision of food for 70 boys for 36 days

50 more boys join the camp.

Calculation:

Let the food be enough for x days for 50 more boys.

=> 70 × 36 = 120 × x

=> 2520 = 120x

=> x = 21

Therefore The food will be enough for 21 days.

Q61. Answer: (d) 2

Shortcut Trick

Using Fermat's Little Theorem: a^(p−1) ≡ 1 (mod p) for any prime p.

Here p = 7, so 3^6 ≡ 1 (mod 7).

We can write 3^8 = 3^6 × 3².

So, 3^8 ≡ 1 × 9 ≡ 9 (mod 7).

When 9 is divided by 7, the remainder is 2.

Therefore The correct answer is 2.

Alternate Method

Given:

Expression: 3^8 ÷ 7

Concept Used:

Properties of remainders: (A × B) mod N = [(A mod N) × (B mod N)] mod N

Calculation:

=> The given expression 3^8 can be written as (3²)^4.

=> (3²)^4 = 9^4

=> Find the remainder when the base 9 is divided by 7.

=> 9 ÷ 7 leaves a remainder of 2.

=> Now, replace 9 with its remainder in the original power expression: 2^4

=> 2^4 = 16

=> Finally, divide 16 by 7 to get the final remainder.

=> 16 = 7 × 2 + 2

=> The remainder is 2.

Therefore The correct answer is 2.

Additional Information

Fermat's Little Theorem

It states that if p is a prime number, then for any integer a, the number a^(p−1) − 1 is an integer multiple of p. The formula is expressed as a^(p−1) ≡ 1 (mod p).

Euler's Totient Theorem

It generalizes Fermat's theorem, stating a^(φ(n)) ≡ 1 (mod n) where a and n are coprime, and φ(n) represents Euler's totient function.

Successive Squaring Concept

Large powers can be calculated efficiently by repeatedly squaring the base and taking the remainder at each step to keep the numbers small and manageable.

Q62. Answer: (a) 84 cm

Given:

Area of a sector of a circle = 616 cm^2

Angled formed at the centre by arc = 10°

Concepts used:

Area of a sector of circle = $\pi r^2 \times (\theta/360°)$

Where,

θ → Angle formed at the centre

r → Radius of circle

Calculation:

Let the radius of the circle be r cm.

Area of sector of circle = πr2 × (θ/360°)

=> 616 cm^2= πr^2× (10°/360°)

=> 616 cm^2= (1/36) × (22/7) × r^2

=> 616 cm^2 = (22/28) × r^2

=> r^2 = (616 × 36 × 7)/22

=> r = √ (28 × 36 × 7)

=> r = 84 cm.

Therefore The radius of the circle is 84 cm.

Q63. Answer: (d) 9

Given

√a = 3b

Calculation

=> √a = 3b

On squaring both sides;

=> a = $9b^2$

=> a/b^2 = 9

The answer is 9.

Q64. Answer: (b) 18

Given

2: 9 :: 4: x

Concept used

Product of mean = Product of extremes

Calculation

=> 2 × x = 9 × 4

=> x = 18

The answer is 18.

Q65. Answer: (b) cosec2A + cotA

Given

$(\cot^3 A - 1)/(\cot A - 1)$

Formula used

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

$\text{cosec}^2A = \cot 2A + 1$

Calculation

=> $cot^3A - 1^3 = (CotA - 1)(cot^2A + cotA + 12)$

=> $(cot3A - 1^3)/(cotA - 1) = (CotA - 1)(cot2A + cotA + 12)/(cotA - 1)$

=> $(cot2A + cotA + 12)$

=> $cosec2A + cotA$

The answer is $cosec2A + cotA$.

Q66. Answer: (c) 0.8125

Given

$((0.25)^4 + 2 \times (0.25)^2 + 1 - (0.25)^2)/((0.25)^2 + 0.25 + 1)$

Formula used

$a^4 + a^2 + 1 = (a^2 + a + 1)(a^2 - a + 1)$

Calculation

Let 0.25 = a,

$((0.25)^4 + 2 \times (0.25)^2 + 1 - (0.25)^2)/((0.25)^2 + 0.25 + 1) = (a4 + a2 + 1)/ (a2 + a + 1) = (a2 - a + 1)$

=> $0.25^2 - 0.25 + 1$

=> $1.0625 - 0.25$

=> 0.8125

The answer is 0.8125.

Q67. Answer: (d) The trader makes a loss of 4%.

Given

A trader sells two LED sets at the same price.

There is a gain of 20% on one LED and 20% loss on the second LED.

Formula used

S.P = (100 + Gain)/100 × C.P

S.P = (100 - Loss)/100 × C.P

Calculations:

Let the selling price of LED be '100x'

For 1st LED

Cost price + 20 % of cost price = 100x

=>120 % cost price = 100x

=> Cost price = (100x) × (100/120)

=> 250/3 x

Similarly cost price of 2nd LED

Cost price - 20 % cost price = 100x

=> 80% of cost price = 100x

=> Cost price = (125)x

=> Total cost price = (250/3)x + (125)x

=> (250 + 375)/3)x

=> (625/3)x

Total selling price = 100x + 100x

=> 200x

=> (600/3)x

So,

Loss% = [(cost price - selling price)/ cost price)] × 100

=> (25/625) × 100

=> 4%

Therefore The correct choice will be option 4.

Q68. Answer: (d) $(a^2 + 1)/2a$

Given

$\tan \theta + \sec \theta = a$

Formula used

if sec θ + tan θ = a, then sec θ - tan θ = 1/a

Calculation

tan θ + sec θ = a

i.e. sec θ + tan θ = a ---(1)

So, sec θ - tan θ = 1/a ---(2)

Add (1) and (2),

sec θ + tan θ + sec θ - tan θ = a + 1/a

=> 2 sec θ = a + 1/a

=> 2 sec θ = $(a^2 + 1)/a$

=> sec θ = $(a^2 + 1)/2a$

Therefore The correct answer is option (4).

Q69. Answer: (c) 26 : 7

Given:

Selling price of the mixture = 30 per kg

Profit percent = 10%

Formula used:

Profit percent = [(SP - CP)/ CP]× 100

=> 10 = [(30 - CP)/ CP] × 100

=> 10 CP = 3000 - 100 CP

=> 110 CP = 3000

=> CP = Rs. 300/11

Let the quantity of the first variety of tea = x

Let the quantity of the second variety of tea = y

According to the question:

26 × x + 32 × y = (x + y) 300/11

(26x + 32y) × 11 = 300x + 300y

52y = 14x

x : y = 26 : 7

Therefore The required ratio is 26: 7

Q70. Answer: (a) 175 m

Given

Speed = 63 km/h

Formula Used:

Speed = Distance ÷ Time

=> Time = Distance ÷ Speed

=> 1 hour = 60 minutes = 3600 seconds

Calculation:

Speed of car is 63 km/hr = 63 × 5/18 m/sec = 35/2 km/sec

Distance = 35/2 × 10

Distance = 175 m

The answer is 175 m.

Q71. Answer: (b) 50%

Given:

Shyam purchased a packet of 16 pens and got 4 pens free with it

Marked percentage = 20%

Selling price = Marked price

Formula used:

SP = CP × [(100 + Profit%)/100]

Discount = free item/Total item × 100

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Calculation:
Let the cost price of 16 pens and getting 4 pens free with it be Rs. 100x
Discount = free item/Total item × 100
= 4/20 × 100
= 20%
Shyam's C.P = 100x × 80/100
= 80x
Marked price = 100x × 120/100
= 120x
M.P = S.P
Profit% = (120x - 80x)/80x × 100
= 50%
The answer is 50%.

Q72. Answer: (c) 2√42/11

Given
cos θ = 11/17
Concept used
tan θ = P/B
cos θ = B/H
P2 + B2 = H2
Calculation
112 + P2 = 172
P2 = 289 - 121
P2 = 168
P = 2√42
tan θ = P/B = 2√42/11
The answer is 2√42/11.

Q73. Answer: (b) 608

Calculation
The students in all the given classes liking Hockey = 70% of 260 + 90% of 180 + 90% of 240 + 80% of 60
= 182 + 162 + 216 + 48
= 608
The answer is 608.

Q74. Answer: (b) 7.2

Given:-
ΔABC ~ ΔPQR and PQ = 4.8 cm
Perimeter of ΔABC/Perimeter of ΔPQR = 3:2
Formula used:-
Perimeter of ΔABC/Perimeter of ΔPQR = AB/PQ = BC/QR = AC/PR
Calculation:-
According to the question -
=> Perimeter of ΔABC/Perimeter of ΔPQR = 3/2 = AB/PQ
=> AB = (4.8 × 3)/2
=> AB = 7.2 cm
Therefore The required value of AB is 7.2 cm.

Q75. Answer: (a) 58 cm²

Given
Two triangles XYZ and UVW are congruent
The area of ΔXYZ = 58 cm2

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Concept used

Two triangles are said to be congruent if their sides have the same length and their angles have the same measure.

Thus, two triangles can be superimposed side to side and angle to angle.

Calculation

Congruent triangles are triangles having corresponding sides and angles to be equal.

Congruence is denoted by the symbol “~=”. From the above concept, we can write XYZ ~= UVW.

They have the same area and the same perimeter.

The answer is 58.

Q76. Answer: (d) Certainty

The solution is in Hindi. Read it online.

Q77. Answer: (a) Co-worker

The solution is in Hindi. Read it online.

Q78. Answer: (b) Dangerous

The solution is in Hindi. Read it online.

Q79. Answer: (a) the accident occurring blast

Here, the erroneous part is "the accident occurring blast."

Key Points

• The phrase "occurring blast" is not grammatically correct.

• It should be either "accident" or "blast," but not both.

• The sentence can be corrected to "Nobody from the gathering of odd people could guess the accident or the blast occurring."

• The correct answer is Option 1.

Q80. Answer: (b) nail: a small metal spike, driven into wood to join things together or to serve as a hook

The solution is in Hindi. Read it online.

Q81. Answer: (c) Surrugocy

The solution is in Hindi. Read it online.

Q82. Answer: (a) RQPS

The correct answer is "RQPS."

Key Points

• The sentence talks about a memoir exploring the impact of the authors' upbringing on their identity and journey of self-discovery.

• Part R has the structure, subject + verb, so it must be the first part.

• Part Q provides an object to the first part of the sentence, so it must follow R.

• The rest of the sentence is the object that is present in the pair PS. So the last pair must be PS.

• The correct answer is Option 1.

Correct sentence: The memoir explores (R), the authors' journey of self-discovery and the impact of their (Q), upbringing on their identity (P), and (S) is missing from the given options.

Q83. Answer: (b) a Leaning Tower of Pisa is a

Here, the erroneous part is "a Leaning Tower of Pisa is a."

Key Points

• The error lies in the part "a Leaning Tower of Pisais a ."

• As per grammatical rules, the definite article "the" is used before a place name if it consists of an adjective followed by a noun.

• "Leaning Tower" is the name of a place.

• The article "the" should be used before the proper noun "Leaning Tower of Pisa."

• The correct answer is Option 2.

Correct sentence: I have read that the Leaning Tower of Pisa is a popular tourist attraction in the world.

Q84. Answer: (a) One who takes an opposing position for the sake of argument

The solution is in Hindi. Read it online.

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Q85. Answer: (b) Malignant

The solution is in Hindi. Read it online.

Q86. Answer: (b) The new employee was hired by the director after the interview.

The correct answer is "The new employee was hired by the director after the interview."

Key Points

• The given sentence is in Active Voice. As per the given question we have to change it into Passive Voice.

• The structure of the given sentence is as follows:

• Subject + V2 + Object. (Active Voice)

• Subject (objective case)+ was/were + V3 + Object (subjective case). (Passive Voice)

• Example:

• Their cousin showed them some rare photographs. (Active Voice)

• They were shown some rare photographs by their cousin. (Passive Voice)

• The subject of the given sentence is 'director.'

• The object of the given sentence is 'new employee'.

• The subject will be put in place of the object and the object will be put in place of the subject.

• 'Hired' will be changed into 'was hired'.

• "New employee" is a singular subject and we must use "was" with it.

• The preposition "by" is used to indicate the doer of the action in the passive voice.

• Therefore, as per the points mentioned above, we find that the correct answer is Option 2.

Correct sentence: The new employee was hired by the director after the interview.

Q87. Answer: (b) C, A, D, B

The correct answer is "C, A, D, B."

Key Points

• The correct order, C, A, D, B, makes a coherent grammatical and logical argument and narrative which states:

• C. It has frequently been claimed: This sentence introduces the claim or thesis, so it serves as the leading statement or introduction. It informs the reader that an assertion is about to be discussed which has been made multiple times before.

• A. That the only true individual: This phrase extends the claim mentioned in paragraph "C." It tells us the subject of this claim is a particular type of person categorized as the 'true individual,' but does not specify yet who this individual is.

• D. Whom the traditional society of India tolerates: This part of the sentence is specifying who this 'true individual' is. It suggests that this individual is someone who is tolerated by traditional society in India. At this point, the reader knows the claim is about a particular type of individual who is acceptable in traditional Indian society.

• B. Is the holy man: The final phrase, "Is the holy man," serves as the conclusion of the argument. It identifies and clarifies who this 'true individual' is. It finalizes the claim by stating that this 'true individual,' tolerated by traditional Indian society, is a holy man.

• This ordering provides a complete, coherent thought and is chronologically correct because it starts by stating the claim, identifies the topic, gives a further attribute to this topic regarding its acceptance in traditional Indian society, and ends by identifying who exactly this 'true individual' is - a holy man.

Correct sentence: It has frequently been claimed (C) that the only true individual (A) which the traditional society of India tolerates (D) is the holy man (B).

Q88. Answer: (b) Drunkeness

The solution is in Hindi. Read it online.

Q89. Answer: (c) guests are gathered by

The correct answer is "guests are gathered by."

Key Points

• The word "guest" should be pluralized to "guests" to match the plural form of "are."

• The correct subject-verb agreement is "guests are gathered," as there are multiple guests.

• We use by to mean ‘beside’ or ‘at the side of.’

• Example: There’s a lovely café by the river.

• The correct answer is Option 3.

Correct sentence: Can you please make sure that all the guests are gathered by the stage before the performance begins?

Q90. Answer: (d) Disclose the secrets accidentally

The solution is in Hindi. Read it online.

Q91. Answer: (b) regalia

The solution is in Hindi. Read it online.

Q92. Answer: (c) A, C, D, B

The correct answer is "A, C, D, B."

Key Points

• The paragraph talks about asymptomatic diseases in the post-COVID period and some proposed causes for it.
• Sentence A introduces the topic of asymptomatic diseases. So, it must be the first sentence.
• Sentence C provides more information about the people affected by these diseases. So, C must follow A.
• Sentence D presents one of the proposed causes for the increase in asymptomatic diseases. So, D must follow C.
• Sentence B connects the proposed cause to the topic. So, it must be the last sentence.
• The correct answer is option 3.
• Correct sequence:

A. The post-COVID period has caused many asymptomatic diseases.
C. These are people who suffered infection once or never at all.
D. Some propose that survival post infection has changed the mindset of people.
B. Though it cannot be believed for sure; the change in social life may be a major cause.

Q93. Answer: (a) confused

The solution is in Hindi. Read it online.

Q94. Answer: (c) Young minds are influenced by the speech of Dr. APJ Abdul Kalam.

The correct answer is "Young minds are influenced by the speech of Dr. APJ Abdul Kalam."

Key Points

• The given sentence is in Active Voice.
• As per the given question, we have to change it to Passive Voice.
• The structure of the given sentence is as follows:
• Subject + V1(s/es) + Object. (Active Voice)
• Subject (objective case)+ is/am/are + V3 + Object (subjective case). (Passive Voice)
• Example:
• She shows them some rare photographs. (Active Voice)
• Some rare photographs are shown by her. (Passive Voice)
• The subject of the given sentence is 'speech of Dr. APJ Abdul Kalam.'
• The object of the given sentence is 'young minds.'
• The subject will be put in place of the object and the object will be put in place of the subject.
• 'Influences' will be changed into 'are influenced.'
• The preposition "by" is used to indicate who is performing the action (in this case, "speech of Dr. APJ Abdul Kalam").
• Therefore, as per the points mentioned above, we find that the correct answer is Option 3.

Correct sentence: Young minds are influenced by the speech of Dr. APJ Abdul Kalam.

Q95. Answer: (b) Virtuoso

The solution is in Hindi. Read it online.

Q96. Answer: (c) approved

The solution is in Hindi. Read it online.

Q97. Answer: (b) levied

The solution is in Hindi. Read it online.

Q98. Answer: (b) is

The correct answer is "is."

Key Points

- The subject "tax" is singular, so the verb should also be singular ("is").
- "Are" and "were" are both plural verbs, which do not agree with the singular subject.
- "Have" is a present perfect verb, which is not appropriate for this sentence structure.
- Using "is" maintains subject-verb agreement and creates a grammatically correct sentence.
- The correct answer is Option 2.
- Correct passage:

Following in the footsteps of France, Italy has ____ (1) __ a new tax to be __ (2) __ on large tech companies, a move that is likely to put more strain on the country's relations with the USA. The Italian parliament has approved a 3% digital tax on some digital revenue of technology companies that make over $831 million in global revenue, including at least $6 million in Italy. The tax is similar to the one France implemented earlier this year, which has attracted __ (4) __ criticism from the USA. According to a report in The Epoch Times, dozens of countries are working on proposals to change corporate tax schemes to __ (5) ____ money from tech firms that have users across the world, such as Facebook and Google's parent company Alphabet.

Q99. Answer: (a) severe

The solution is in Hindi. Read it online.

Q100. Answer: (d) capture

The solution is in Hindi. Read it online.

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